

### **Massachusetts Exports 2000**

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Funding for the report was provided by the Eastern Trade Council, an affiliate organization of the Council of State Governments Eastern Regional Conference (CSG/ERC.) The Eastern Trade Council (ETC) was formed in 1998 to enhance cooperation and collaboration in trade development among the CSG/ERC member jurisdictions including: Connecticut, Delaware, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Puerto Rico, Rhode Island and Vermont. By sharing trade development information, jointly promoting regional products, and collectively advocating for federal trade promotion programs and polices which will benefit the region, ETC strives to strengthen state and regional economic competitiveness in the global marketplace.

The Eastern Trade Council contracted with MISER for the creation of export reports on each member state, and for a report on the entire Northeastern region. The authors wish to acknowledge the valuable guidance and support provided by ETC Board Members and ERC staff during the preparation of these reports.

Reports for all ten Northeast States are available at the Council of State Governments website, http://www.csgeast.org.

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### I. Executive Summary

Massachusetts had the strongest annual export growth of any Northeast State in the year 2000. Its 21% increase was much larger than both regional growth of 15% and national growth of 13%. Massachusetts and regional shipments expanded faster in the new millennium than in any year in the past decade. Massachusetts has had a long history of successful exporting of goods and services, but this success slowed a bit in the decade of the 1990s. While the current report focuses more on goods than on services and while Massachusetts is becoming increasingly service oriented, the Commonwealth's exports nonetheless nearly doubled, increasing by 90% in the decade, just a little over 8% less than the U.S. Within the State's export economy, there have been big winners and big losers. Electronic and electrical equipment has more than tripled, rising quite steadily over the decade. Instruments and chemicals also, have steadily risen, more than doubling. However, industrial machinery and computer equipment and fabricated metal products have been quite stationary.

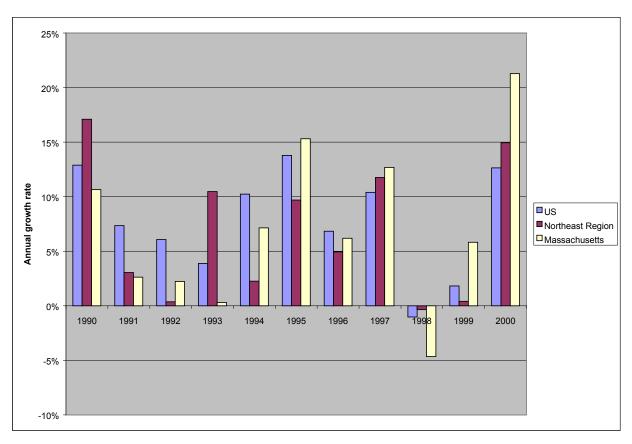
The hottest commodity in electronic and electrical equipment is apparatus for line telephony, representing more than 20% of the exports of the industry. Another 20% is represented by a series of related commodities: metal oxide semiconductors (MOS integrated circuits), electronic monolithic integrated circuits, and digital monolithic integrated circuits, the second, third, and fourth largest commodities of the industry. These have all contributed significantly to strong growth in the State. Instruments for checking the consistency of semiconductor wafers has also been a leading contributor, adding \$340 million in new exports between 1999 and 2000. In chemicals, Massachusetts is more balanced showing no commodity representing much more than \$200 million—top among them medicaments in measured doses in retail packaging; hormones and derivatives and steroids; composite diagnostic lab reagents; and antisera and blood fractions and immunology products.

Slow expansion in industrial machinery and computers was a predominant factor in the State's slow export growth in the 1990s. Even moving into 2000, tremendous growth in particle accelerators and ion implanters for semiconductors and beverage filtering machines and parts was dampened by declines in parts and accessories for automatic data processing machines, automatic data processing units, and turbojets and turbojet propeller parts. Nevertheless, the industry posted its first positive growth rate, 15.6%, since 1997.

Canada has been Massachusetts' largest export destination throughout the 1990s undoubtedly because of proximity. However, Massachusetts' growth to Canada was only 72% over the decade, slower than the State's average growth to the world (90%) and slower than national growth to Canada (114%). Growth to other top markets including Netherlands, Germany, UK, and Japan, was also slower than the State average growth (although the decline to Japan occurred early in the decade and after 1992 Massachusetts exports more than doubled to Japan.) However, consistent with a successful restructuring of industries and markets, many Massachusetts markets in the next tier exceeded average State growth: Taiwan 304%, France 118%, Korea 182%, Mexico 313%, and Singapore 189%. From this, it appears that Massachusetts may well have driven through a successful economic conversion.

### II. INTRODUCTION

Massachusetts, Northeast, and US Annual Export Growth 1990 – 2000

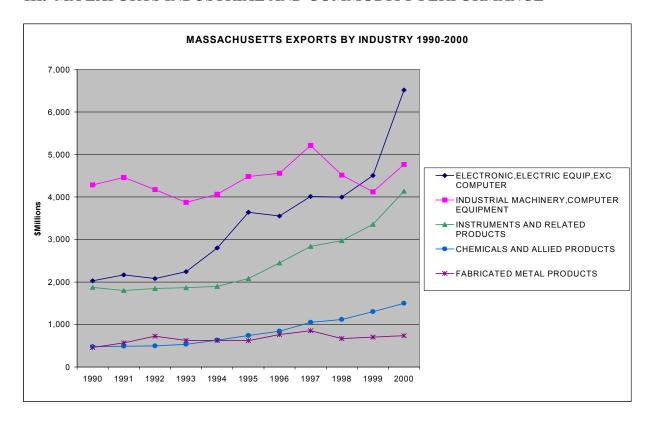


Annual Export Growth Rates	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
US	12.88	7.35	6.07	3.89	10.23	13.78	6.83	10.40	-1.04	1.81	12.64
Northeast Region	17.10	3.06	0.37	10.47	2.25	9.70	4.94	11.77	-0.36	0.41	14.95
Massachusetts	10.65	2.63	2.24	0.31	7.13	15.31	6.19	12.68	-4.64	5.81	21.28
Value of Exports (\$Billions)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
US	392.98	421.85	447.47	464.86	512.42	583.03	622.83	687.60	680.47	692.82	780.42
Northeast Region	75.57	77.89	78.17	86.35	88.30	96.86	101.65	113.61	113.20	113.66	130.65
Massachusetts	11.59	11.89	12.16	12.19	13.06	15.07	16.00	18.03	17.19	18.19	22.06

Bay State exports soared to reach \$22 billion in the year 2000. Massachusetts' annual export growth of 21.3% far outpaced regional growth of 15% and national growth of 12.6%. Massachusetts' growth frequently lagged behind regional and national growth in the early nineties, but it generally exceeded Northeast and US growth in the late nineties and into 2000. While Massachusetts' exports were hit harder in 1998 than the nation and the Northeast region by affects of the Asian crisis, the state made a stronger recovery in 1999. In 2000 both Massachusetts and Northeast exports grew faster than in any year in the past decade. Of the ten Northeast states, Massachusetts had the highest annual export increase in the year 2000.

1990-2000 98.59 72.88 90.40

### III. MA EXPORTS INDUSTRIAL AND COMMODITY PERFORMANCE



Like that of many Northeast states, Massachusetts' industrial export mix shifted substantially over the past decade. Electronic and electric equipment surpassed industrial machinery and computers in 1999 as the state's leading export. The gap between machinery and computers and instruments also nearly closed by 2000. Although dwarfed in comparison to the state's top three industries, the fourth largest, chemicals and allied products grew almost as quickly as electronics over the decade. The fifth largest, fabricated metals, increased much more slowly. Massachusetts export losses in 1998 were primarily the result of large declines in shipments of industrial machinery/computers to Asia and Canada, large declines in fabricated metals to Asia, and smaller declines in electronics to Asia and Canada. Declines in machinery and computers to Canada continued in 1999, while the other industries rebounded. In the year 2000 all five leading industries had strong export increases.

**Table 1** shows Massachusetts top 20 export industries and top 10 gains and losses by industry in the year 2000. The most dramatic increase occurred in electronics, up \$2 billion (45%) in 2000. There were strong gains in many other industries, the largest of which were in instruments and related products, machinery and computers, chemicals, and primary metals (including gold). Impressive gains were also made in paper, used or second hand merchandise (including valuable artwork), stone, clay, and glass products, and scrap and waste. The largest losses occurred in transportation equipment, printing and publishing, and apparel and textile products.

Table 1 Massachusetts Exports by Industry Top 20 Commodities, Top 10 Gains and Losses 1999-2000

	SIC	TOP 20 INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
		TOTAL ALL INDUSTRIES	18,190,114,782	22,061,446,586	5.81	21.28	3,871,331,804	2.83
1	36	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER	4,506,524,243	6,517,664,884	12.76	44.63	2,011,140,641	4.55
2	35	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	4,121,133,797	4,766,023,878	-8.74	15.65	644,890,081	3.35
3	38	INSTRUMENTS AND RELATED PRODUCTS	3,356,529,443	4,136,706,232	12.91	23.24	780,176,789	8.25
4	28	CHEMICALS AND ALLIED PRODUCTS	1,300,433,969	1,497,011,074	16.31	15.12	196,577,105	1.90
5	34	FABRICATED METAL PRODUCTS	703,141,259	738,810,992	5.08	5.07	35,669,733	2.84
6	37	TRANSPORTATION EQUIPMENT	765,489,166	694,719,285	9.68	-9.25	-70,769,881	0.57
7	33	PRIMARY METAL INDUSTRIES	382,818,751	508,492,607	-10.40	32.83	125,673,856	2.00
8	30	RUBBER AND MISC. PLASTICS PRODUCTS	494,440,206	496,015,947	10.50	0.32	1,575,741	2.54
9	26	PAPER AND ALLIED PRODUCTS	395,512,464	467,742,466	6.07	18.26	72,230,002	2.86
10	99	SPECIAL CLASSIFICATION PROVISIONS, NSPF	355,299,149	340,390,437	581.24	-4.20	-14,908,712	5.25
11	39	MISC. MANUFACTURING INDUSTRIES	290,138,467	304,632,543	9.56	5.00	14,494,076	2.23
12	22	TEXTILE MILL PRODUCTS	235,515,888	263,910,047	-13.24	12.06	28,394,159	2.88
13	20	FOOD AND KINDRED PRODUCTS	249,708,343	259,764,028	-8.90	4.03	10,055,685	0.92
14	9	FISHING, HUNTING, AND TRAPPING	241,911,118	236,870,671	9.85	-2.08	-5,040,447	8.74
15	32	STONE, CLAY, AND GLASS PRODUCTS	106,176,024	140,963,591	5.46	32.76	34,787,567	1.67
16	91	SCRAP AND WASTE	95,180,353	125,437,101	-23.93	31.79	30,256,748	2.45
17	27	PRINTING AND PUBLISHING	155,701,596	123,397,955	-11.81	-20.75	-32,303,641	2.36
18	31	LEATHER AND LEATHER PRODUCTS	76,066,132	73,035,185	-19.43	-3.98	-3,030,947	2.72
19	95	CHARITY, MILITARY NIK, SHIPMENTS<10K NIK	69,145,796	71,925,244	-6.17	4.02	2,779,448	2.05
20	92	USED OR SECOND-HAND MERCHANDISE	25,687,056	64,660,481	-40.48	151.72	38,973,425	1.60
	010	TOD 44 ODOWITH INDUSTRIES	4000	0000	0/00.00	0/00 00	AL 00 00	0/110
1	SIC	TOP 10 GROWTH INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	36	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER	4,506,524,243	6,517,664,884	12.76	44.63	2,011,140,641	4.55
2	36 38	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS	4,506,524,243 3,356,529,443	6,517,664,884 4,136,706,232	12.76 12.91	44.63 23.24	2,011,140,641 780,176,789	4.55 8.25
2	36 38 35	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT	4,506,524,243 3,356,529,443 4,121,133,797	6,517,664,884 4,136,706,232 4,766,023,878	12.76 12.91 -8.74	44.63 23.24 15.65	2,011,140,641 780,176,789 644,890,081	4.55 8.25 3.35
2 3 4	36 38 35 28	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074	12.76 12.91 -8.74 16.31	44.63 23.24 15.65 15.12	2,011,140,641 780,176,789 644,890,081 196,577,105	4.55 8.25 3.35 1.90
2 3 4 5	36 38 35 28 33	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607	12.76 12.91 -8.74 16.31 -10.40	44.63 23.24 15.65 15.12 32.83	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856	4.55 8.25 3.35 1.90 2.00
2 3 4 5 6	36 38 35 28 33 26	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466	12.76 12.91 -8.74 16.31 -10.40 6.07	44.63 23.24 15.65 15.12 32.83 18.26	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002	4.55 8.25 3.35 1.90 2.00 2.86
2 3 4 5 6 7	36 38 35 28 33 26 92	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48	44.63 23.24 15.65 15.12 32.83 18.26 151.72	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425	4.55 8.25 3.35 1.90 2.00 2.86 1.60
2 3 4 5 6 7 8	36 38 35 28 33 26 92 34	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84
2 3 4 5 6 7 8	36 38 35 28 33 26 92 34 32	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67
2 3 4 5 6 7 8	36 38 35 28 33 26 92 34	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84
2 3 4 5 6 7 8	36 38 35 28 33 26 92 34 32	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45
2 3 4 5 6 7 8	36 38 35 28 33 26 92 34 32 91	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101 2000 694,719,285	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79 <b>%99-00</b> -9.25	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 SIC	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 SIC 37 27	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101 2000 694,719,285 123,397,955 41,317,798	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  %98-99 9.68 -11.81 -20.37	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79  %99-00 -9.25 -20.75 -35.98	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  %US 0.57 2.36 0.42
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 <b>SIC</b> 37 27 23	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353  1999 765,489,166 155,701,596 64,534,554 355,299,149	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101  2000 694,719,285 123,397,955 41,317,798 340,390,437	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  %98-99 9.68 -11.81 -20.37 581.24	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79 <b>%99-00</b> -9.25 -20.75 -35.98 -4.20	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641 -23,216,756 -14,908,712	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  **US 0.57 2.36 0.42 5.25
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 <b>SIC</b> 37 27 23 99	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353  1999 765,489,166 155,701,596 64,534,554	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101  2000 694,719,285 123,397,955 41,317,798 340,390,437 37,429,575	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  %98-99 9.68 -11.81 -20.37	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79  %99-00 -9.25 -20.75 -35.98	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641 -23,216,756 -14,908,712 -6,709,502	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  %US 0.57 2.36 0.42 5.25 0.55
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 <b>SIC</b> 37 27 23 99 24	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LUMBER AND WOOD PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353  1999 765,489,166 155,701,596 64,534,554 355,299,149 44,139,077 61,232,195	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101  2000 694,719,285 123,397,955 41,317,798 340,390,437 37,429,575 55,046,434	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  %98-99 9.68 -11.81 -20.37 581.24 35.20 31.83	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79  **99-00 -9.25 -20.75 -35.98 -4.20 -15.20 -10.10	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641 -23,216,756 -14,908,712	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  **US 0.57 2.36 0.42 5.25 0.55 1.96
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 <b>SIC</b> 37 27 23 99 24 25	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LUMBER AND WOOD PRODUCTS FURNITURE AND FIXTURES	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353  1999 765,489,166 155,701,596 64,534,554 355,299,149 44,139,077 61,232,195 10,165,395	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101  2000 694,719,285 123,397,955 41,317,798 340,390,437 37,429,575 55,046,434 4,614,989	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  **98-99 9.68 -11.81 -20.37 581.24 35.20 31.83 36.00	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79  **99-00 -9.25 -20.75 -35.98 -4.20 -15.20 -10.10 -54.60	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641 -23,216,756 -14,908,712 -6,709,502 -6,185,761 -5,550,406	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  **WUS 0.57 2.36 0.42 5.25 0.55 1.96 0.05
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 <b>SIC</b> 37 27 23 99 24 25 29	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LUMBER AND WOOD PRODUCTS FURNITURE AND FIXTURES PETROLEUM AND COAL PRODUCTS FISHING, HUNTING, AND TRAPPING	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353  1999 765,489,166 155,701,596 64,534,554 355,299,149 44,139,077 61,232,195 10,165,395 241,911,118	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101  2000 694,719,285 123,397,955 41,317,798 340,390,437 37,429,575 55,046,434 4,614,989 236,870,671	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  %98-99 9.68 -11.81 -20.37 581.24 35.20 31.83 36.00 9.85	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79 %99-00 -9.25 -20.75 -35.98 -4.20 -15.20 -10.10 -54.60 -2.08	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641 -23,216,756 -14,908,712 -6,709,502 -6,185,761 -5,550,406 -5,040,447	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  **WUS 0.57 2.36 0.42 5.25 0.55 1.96 0.05 8.74
2 3 4 5 6 7 8 9 10	36 38 35 28 33 26 92 34 32 91 <b>SIC</b> 37 27 23 99 24 25 29	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FABRICATED METAL PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE  TOP 10 LOSSES BY INDUSTRY TRANSPORTATION EQUIPMENT PRINTING AND PUBLISHING APPAREL AND OTHER TEXTILE PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LUMBER AND WOOD PRODUCTS FURNITURE AND FIXTURES PETROLEUM AND COAL PRODUCTS	4,506,524,243 3,356,529,443 4,121,133,797 1,300,433,969 382,818,751 395,512,464 25,687,056 703,141,259 106,176,024 95,180,353  1999 765,489,166 155,701,596 64,534,554 355,299,149 44,139,077 61,232,195 10,165,395	6,517,664,884 4,136,706,232 4,766,023,878 1,497,011,074 508,492,607 467,742,466 64,660,481 738,810,992 140,963,591 125,437,101  2000 694,719,285 123,397,955 41,317,798 340,390,437 37,429,575 55,046,434 4,614,989	12.76 12.91 -8.74 16.31 -10.40 6.07 -40.48 5.08 5.46 -23.93  **98-99 9.68 -11.81 -20.37 581.24 35.20 31.83 36.00	44.63 23.24 15.65 15.12 32.83 18.26 151.72 5.07 32.76 31.79  **99-00 -9.25 -20.75 -35.98 -4.20 -15.20 -10.10 -54.60	2,011,140,641 780,176,789 644,890,081 196,577,105 125,673,856 72,230,002 38,973,425 35,669,733 34,787,567 30,256,748 \$Incr 99-00 -70,769,881 -32,303,641 -23,216,756 -14,908,712 -6,709,502 -6,185,761 -5,550,406	4.55 8.25 3.35 1.90 2.00 2.86 1.60 2.84 1.67 2.45  **WUS 0.57 2.36 0.42 5.25 0.55 1.96 0.05

Another important way to view a state's export performance is to look at the state's share of total US exports. The last column of **Table 1**, with the heading "%US", shows Massachusetts's share of total US exports in each industry. Overall, Massachusetts' contribution to total US exports was 2.83% in 2000. Therefore, any industry with a share greater than 2.83% can be considered an export industry of specialization for Massachusetts. Of the state's leading 20 export industries, its highest levels of specialization are in fishing with 8.7% of total US shipments, instruments and related products (8.2%), special classifications including laser discs and software (5.2%), electronic and electric equipment (4.6%), and industrial machinery and computers (3.4%).

**Table 2.1** shows the leading commodities comprising each of Massachusetts's top 10 industries. For the first time, in early 2000, the US Census Bureau made available data on state exports by 4,500 highly detailed, 6-digit HS (Harmonized System) commodities. Prior to 2000 statistics on state exports were limited to 34 broad 2-digit SIC (Standard Industrial Classification) industries.

In this new look at the composition of the state's export shipments, many commodities stand out with extremely high rates of growth in 2000 and many shine with very high shares of US total exports. For example, Massachusetts' largest export industry, electronic and electric equipment, is dominated by \$1.5 billion in parts of electrical apparatus for line telephony, up 90% in 2000 and accounting for 22% of total US exports of that commodity. Growth was nearly as strong at 70% in the state's second leading electronics component, metal oxide semiconductors, but Massachusetts exports only 2.1% of the US total. Massachusetts' machinery and computer exports were led by computer parts and accessories, but growth was much stronger in, and the state is more specialized in, particle accelerators for semiconductors.

Note that turbojets of a thrust exceeding 25 knots, HS 841112, has an asterisk identifying that the commodity falls into more than one industry. That is because at the 6-digit HS level, it is unclear whether the commodity reflects aircraft or non-aircraft turbojets. However, Census Bureau 10-digit data at the national level shows that only 0.79% of all turbojets of a thrust exceeding 25 knots are of the non-aircraft variety. Further, the US ships only \$31 million in non-aircraft turbojets over 25 knots, while MA exports \$372 million of its turbojets. Therefore it is likely that the vast majority of Massachusetts' turbojets do in fact belong in the transportation sector. Likewise, only 1.4% of all turbojet and turbopropeller parts, HS 841191, are non-aircraft parts, so that commodity also belongs primarily in transportation.

**Table 2.2** depicts the top commodity gains within the top 5 export gains by industry and the top commodity losses within the top 5 export losses by industry. This table explains, for example, that the state's two leading electronics exports, electrical apparatus for line telephony and metal oxide semiconductors, along with diodes (except photosensitive or light emitting), had the largest export increases in the electronics industry. The increase in Massachusetts primary metals exports was due in large measure to increases in non-monetary unwrought gold, unwrought tantalum, and flat rolled stainless steel, under 600 mm wide, cold rolled. Losses in transportation industry exports were led by declines in turbojet parts, parts of airplanes and helicopters nesoi, and military weapons. (Nesoi means "not elsewhere specified or included".) Losses in the special classification industry were led by declines in other recorded media nesoi for reproducing sound or image, laser discs for reproducing other

than sound/image, and recorded media for reproducing sound or image, all of which are better described as software and information in electronic format.

Digital computers entered as systems, HS 847149, the second leading component in machinery and computers industry gains, falls into more than one industry. However, only the power supplies associated with the systems do not belong in machinery and computers. Since those power supplies account for only 5.4% of all computer systems exports, the computer systems actually do belong primarily in machinery and computers.

**Table 3** reports Massachusetts's top 20 commodities overall in 2000 and top 10 gains and losses by commodity. Not surprisingly, parts of electrical apparatus for line telephony is Massachusetts's leading and largest growth commodity by far, up \$700 million (90%) to \$1.5 billion in shipments in 2000. Massachusetts surpassed California to become the largest state exporter of parts of electrical apparatus for line telephony in 2000. The state's second leading commodity, computer parts and accessories, had the largest export decrease, falling from \$1.2 billion in 1990 to \$893 million (-23%) in 2000. Massachusetts had tremendous growth in its next three largest commodities exported, including metal oxide semiconductors (71%), instruments to check semiconductor wafers (212%), and particle accelerators with ion implanters for semiconductors (179%). Metal oxide semiconductors were also the leading and largest growth commodity exported nationwide. Among Massachusetts 20 leading commodities exported, those of greatest specialization include hormones and derivatives nesoi (not elsewhere specified or included) and steroids nesoi (84% of US total exports), particle accelerators for semiconductors (83%), instruments for checking electrical quantities nesoi (36%), parts of electrical machines nesoi (31%), instruments for checking semiconductors (26%), medical needles and catheters (22%), and parts of electrical apparatus for line telephony (22%).

Table 2.1 Massachusetts Export Industries by Leading Commodity Components Top 10 Industries by \$Value of Shipments 2000

SIC HS 6	TOP 10 INDUSTRIES	1999	2000	INCR 99-00	%INCR %	6 OF US
010 110 0	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	1333	2000	11010-00	/untolt /	001 00
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	774,355,899	1,474,993,399	700,637,500	90.48	21.95
36 854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	449,139,374	766,977,317	317,837,943	70.77	2.10
36 854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	379,037,712	458,241,636	79,203,924	20.90	5.05
30 034230	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	373,037,712	430,241,030	7 3,203,324	20.50	5.05
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	1,153,267,756	802 010 023	-260,348,733	-22.57	3.75
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	173,124,681	483,047,765	309,923,084	179.02	82.71
35 847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	442,707,805	384,618,273	-58,089,532	-13.12	4.44
33 047 100	INSTRUMENTS AND RELATED PRODUCTS	442,707,000	304,010,273	-50,005,552	-10.12	7.77
38 903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	160,108,031	499,581,304	339,473,273	212.03	26.39
38 903089	INST, MEASURING/CHECKING ELECTRICAL QUANTITIE, NESOI	361,536,402	445,459,833	83,923,431	23.21	35.63
38 901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	363,993,619	407,957,128	43,963,509	12.08	22.15
30 30 1033	CHEMICALS AND ALLIED PRODUCTS	303,393,019	407,937,120	45,305,503	12.00	22.13
28 300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	214,945,984	220,671,615	5,725,631	2.66	4.55
28 293799	HORMONES AND DERIV NESOI, STEROIDS ETC NESOI	120,537,542	183,158,980	62,621,438	51.95	83.86
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	74,420,069	131,713,153	57,293,084	76.99	5.32
20 302200	FABRICATED METAL PRODUCTS	74,420,009	131,713,133	31,233,004	70.55	5.52
34 821210		205,092,730	149,977,441	-55,115,289	-26.87	87.44
34 930690	BOMB MINES OT AMMNTION PROJECTIONS ETC AND PARTS	26,051,430	131,277,020	105,225,590	403.91	9.90
34 821220		58,549,396	59,696,762	1,147,366	1.96	59.14
34 021220	TRANSPORTATION EQUIPMENT	30,349,390	39,090,702	1,147,300	1.50	33.14
37 8/1111 <b>2</b> *	TURBOJETS OF A THRUST EXCEEDING 25 KN	372,289,110	372,015,803	-273,307	-0.07	9.36
	TURBOJET AND TURBOPROLLER PARTS	133,174,815	92,607,668	-40,567,147	-30.46	1.37
	GAS TURBINE PARTS NESOI	50,631,086	43,686,865	-6,944,221	-13.72	1.57
37 041133	PRIMARY METAL INDUSTRIES	30,031,000	43,000,003	-0,344,221	-13.72	1.37
33 710812		50,515,299	90,752,507	40,237,208	79.65	1.74
	UNWROUGHT TANTALUM; TANTALUM WASTE, SCRAP & POWDER	35,744,928	55,329,044	19,584,116	54.79	55.72
33 854459	ELEC COND OV 80V NOV 1000V NOT FITTED W CONNECTOR	23,194,108	30,778,586	7,584,478	32.70	5.28
33 034433	RUBBER AND MISC. PLASTICS PRODUCTS	25,134,100	30,770,300	7,304,470	32.70	5.20
30 302600*	ARTICLES OF PLASTICS, NESOI	103,529,933	125,001,884	21,471,951	20.74	3.10
30 392069	PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	78,992,570	50,837,171	-28,155,399	-35.64	33.01
30 392091	PLATES ETC, NONCELL ETC, NO R, POLYVINYL BUTYRAL	41,416,309	27,282,432	-14,133,877	-34.13	14.28
00 002001	PAPER AND ALLIED PRODUCTS	41,410,000	21,202,402	-14,100,011	-0 <del>-1</del> .10	14.20
26 481190	PAPER, PAPERBD, CELLULOSE WADD ETC, COAT ETC NESOI	52,882,755	64,777,431	11,894,676	22.49	22.12
26 480560	PAPER AND PAPERBOARD, NESOI, NOT OVER 150 G/M2, UC	34,248,106	45,473,447	11,225,341	32.78	26.62
	PLATES, SHEETS, FILM ETC, PLASTICS, SELF-ADH NESOI	31,861,267	42,899,389	11,038,122	34.64	6.80
20 331330	SPECIAL CLASSIFICATION PROVISIONS, NSPF	31,001,207	42,099,309	11,000,122	34.04	0.00
99 852431	LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE	121,754,803	103,610,510	-18,144,293	-14.90	7.90
	RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	77,969,269	72,093,882	-5,875,387	-14.90 -7.54	11.05
	VALUE OF REPAIR/ALTER ARTICLES PREVIOUS IMPORTED	46,311,568	71,486,661	25,175,093	54.36	3.04
33 300110	VALUE OF THE AINALTEN AINTIGLES FREVIOUS INFORTED	40,311,300	7 1,400,001	20,170,093	J <del>1</del> .JU	3.04

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

Table 2.2 Massachusetts Export Industries by Leading Commodity Components Top 5 Industries by Growth and Loss of Shipments 1999-2000

SIC HS 6	TOP 5 GROWTH INDUSTRIES	1999	2000	INCR 99-00	%INCR 9	% OF US
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	774,355,899	1,474,993,399	700,637,500	90.48	21.95
36 854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	449,139,374	766,977,317	317,837,943	70.77	2.10
36 854110	DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES	122,422,124	241,154,907	118,732,783	96.99	17.34
	INSTRUMENTS AND RELATED PRODUCTS					
38 903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	160,108,031	499,581,304	339,473,273	212.03	26.39
38 903290	PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS	25,695,907	112,319,086	86,623,179	337.11	15.48
38 903089	INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	361,536,402	445,459,833	83,923,431	23.21	35.63
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	173,124,681	483,047,765	309,923,084	179.02	82.71
35 847149*	DIGITAL ADP MAC & UNITS, ENTERED AS SYSTEMS, NESOI	172,087,193	240,615,132	68,527,939	39.82	5.14
35 842122	BEVERAGE FILTERING OR PURIFYING MACH & APPARATUS	7,716,845	65,560,211	57,843,366	749.57	76.00
	CHEMICALS AND ALLIED PRODUCTS					
28 293799	HORMONES AND DERIV NESOI, STEROIDS ETC NESOI	120,537,542	183,158,980	62,621,438	51.95	83.86
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	74,420,069	131,713,153	57,293,084	76.99	5.32
28 300220	VACCINES FOR HUMAN MEDICINE	859,933	28,751,312	27,891,379	3,243.44	11.72
	PRIMARY METAL INDUSTRIES	,	, ,	, ,	,	
33 710812		50,515,299	90,752,507	40,237,208	79.65	1.74
	UNWROUGHT TANTALUM; TANTALUM WASTE, SCRAP & POWDER	35,744,928	55,329,044	19,584,116	54.79	55.72
	FLAT-ROLLED STNLS STL UND 600MM WIDE, CLD-RLD	11,390,655	30,404,607	19,013,952	166.93	18.85
	, ,	, ,	, - ,	- / /		
SIC HS 6	TOP 5 INDUSTRY LOSSES	1999	2000	INCR 99-00	%INCR	% OF US
	TRANSPORTATION EQUIPMENT	1999				
	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS	133,174,815	92,607,668	-40,567,147	%INCR 9	1.37
	TRANSPORTATION EQUIPMENT					
37 841191* 37 880330	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS	133,174,815	92,607,668	-40,567,147	-30.46	1.37
37 841191* 37 880330	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS PARTS OF AIRPLANES OR HELICOPTERS, NESOI	133,174,815 59,781,562	92,607,668 43,435,693	-40,567,147 -16,345,869	-30.46 -27.34	1.37 0.34 0.25
37 841191* 37 880330	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS PARTS OF AIRPLANES OR HELICOPTERS, NESOI MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI	133,174,815 59,781,562	92,607,668 43,435,693	-40,567,147 -16,345,869	-30.46 -27.34 -94.91	1.37 0.34
37 841191* 37 880330 37 930100*	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS PARTS OF AIRPLANES OR HELICOPTERS, NESOI MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC PRINTING AND PUBLISHING	133,174,815 59,781,562 16,401,248	92,607,668 43,435,693 834,777	-40,567,147 -16,345,869 -15,566,471	-30.46 -27.34 -94.91	1.37 0.34 0.25
37 841191* 37 880330 37 930100* 27 490199	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS PARTS OF AIRPLANES OR HELICOPTERS, NESOI MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI	133,174,815 59,781,562 16,401,248 90,425,122	92,607,668 43,435,693 834,777 53,504,290	-40,567,147 -16,345,869 -15,566,471 -36,920,832	-30.46 -27.34 -94.91	1.37 0.34 0.25
37 841191* 37 880330 37 930100* 27 490199 27 482030	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299	92,607,668 43,435,693 834,777 53,504,290 11,282,175	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124	-30.46 -27.34 -94.91 -40.83 -16.01	1.37 0.34 0.25 2.74 17.78
37 841191* 37 880330 37 930100* 27 490199 27 482030	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS,FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299	92,607,668 43,435,693 834,777 53,504,290 11,282,175	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124	-30.46 -27.34 -94.91 -40.83 -16.01	1.37 0.34 0.25 2.74 17.78 2.29
37 841191* 37 880330 37 930100* 27 490199 27 482030 27 490700	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS PARTS OF AIRPLANES OR HELICOPTERS, NESOI MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS,FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC APPAREL AND OTHER TEXTILE PRODUCTS	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74	1.37 0.34 0.25 2.74 17.78
37 841191* 37 880330 37 930100* 27 490199 27 482030 27 490700 23 611790 23 611020	TRANSPORTATION EQUIPMENT TURBOJET AND TURBOPROLLER PARTS PARTS OF AIRPLANES OR HELICOPTERS, NESOI MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC APPAREL AND OTHER TEXTILE PRODUCTS PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05
37 841191* 37 880330 37 930100* 27 490199 27 482030 27 490700 23 611790 23 611020	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS,FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05
37 841191* 37 880330 37 930100* 27 490199 27 482030 27 490700 23 611790 23 611020	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05
37 841191* 37 880330 37 930100* 27 490199 27 482030 27 490700 23 611790 23 611020 23 621210	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT  SPECIAL CLASSIFICATION PROVISIONS, NSPF  OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281 5,354,200	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009 3,908,178	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272 -1,446,022	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13 -27.01	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05 0.93
37 841191* 37 880330 37 930100*  27 490199 27 482030 27 490700  23 611790 23 611020 23 621210  99 852491 99 852431	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT  SPECIAL CLASSIFICATION PROVISIONS, NSPF  OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281 5,354,200 67,151,843	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009 3,908,178 45,825,627	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272 -1,446,022 -21,326,216	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13 -27.01	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05 0.93
37 841191* 37 880330 37 930100*  27 490199 27 482030 27 490700  23 611790 23 611020 23 621210  99 852491 99 852431	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS,FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT  SPECIAL CLASSIFICATION PROVISIONS, NSPF  OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281 5,354,200 67,151,843 121,754,803	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009 3,908,178 45,825,627 103,610,510	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272 -1,446,022 -21,326,216 -18,144,293	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13 -27.01 -31.76 -14.90	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05 0.93 5.93 7.90
37 841191* 37 880330 37 930100*  27 490199 27 482030 27 490700  23 611790 23 611020 23 621210  99 852491 99 852431	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT  SPECIAL CLASSIFICATION PROVISIONS, NSPF  OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I  LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE  RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281 5,354,200 67,151,843 121,754,803	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009 3,908,178 45,825,627 103,610,510	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272 -1,446,022 -21,326,216 -18,144,293	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13 -27.01 -31.76 -14.90	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05 0.93 5.93 7.90
37 841191* 37 880330 37 930100*  27 490199 27 482030 27 490700  23 611790 23 611020 23 621210  99 852491 99 852491 99 852499*	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT  SPECIAL CLASSIFICATION PROVISIONS, NSPF  OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I  LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE  RECORDED MEDIA FOR REPRODUCTS	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281 5,354,200 67,151,843 121,754,803 77,969,269	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009 3,908,178 45,825,627 103,610,510 72,093,882	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272 -1,446,022 -21,326,216 -18,144,293 -5,875,387	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13 -27.01 -31.76 -14.90 -7.54	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05 0.93 5.93 7.90 11.05
37 841191* 37 880330 37 930100*  27 490199 27 482030 27 490700  23 611790 23 611020 23 621210  99 852491 99 852491 99 852499*  24 441890 24 440791	TRANSPORTATION EQUIPMENT  TURBOJET AND TURBOPROLLER PARTS  PARTS OF AIRPLANES OR HELICOPTERS, NESOI  MILITARY WEAPONS EX REVOLVERS PISTOLS LANCES ETC  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI  BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD  UNUSED POSTAGE, CHECK FORMS, BANKNOTES, STOCK, ETC  APPAREL AND OTHER TEXTILE PRODUCTS  PARTS OF GARMENTS OR OF CLOTHING ACCESSORIES, KNIT  SWEATERS, PULLOVERS ETC, KNIT ETC, COTTON  BRASSIERES, KNIT OR CROCHETED OR NOT  SPECIAL CLASSIFICATION PROVISIONS, NSPF  OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I  LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE  RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI  LUMBER AND WOOD PRODUCTS  BUILDERS JOINERY AND CARPENTRY OF WOOD, NESOI	133,174,815 59,781,562 16,401,248 90,425,122 13,432,299 7,723,488 10,954,222 1,868,281 5,354,200 67,151,843 121,754,803 77,969,269 3,287,271	92,607,668 43,435,693 834,777 53,504,290 11,282,175 6,353,364 2,138,751 203,009 3,908,178 45,825,627 103,610,510 72,093,882 248,531	-40,567,147 -16,345,869 -15,566,471 -36,920,832 -2,150,124 -1,370,124 -8,815,471 -1,665,272 -1,446,022 -21,326,216 -18,144,293 -5,875,387 -3,038,740	-30.46 -27.34 -94.91 -40.83 -16.01 -17.74 -80.48 -89.13 -27.01 -31.76 -14.90 -7.54	1.37 0.34 0.25 2.74 17.78 2.29 0.54 0.05 0.93 5.93 7.90 11.05

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

Table 3
Massachusetts Exports by Commodity
Top 20 Commodities, Top 10 Gains and Losses 1999-2000

RANK TOP 20 COMMODITIES	1999	2000	INCR 99-00	%INCR	%US
1 PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	774,355,899	1,474,993,399	700,637,500	90.48	21.95
2 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	1,153,267,756	892,919,023	-260,348,733	-22.57	3.75
3 METAL OXIDE SEMICONDUCTORS(MOS), MONO DIGITAL INTEG	449,139,374	766,977,317	317,837,943	70.77	2.10
4 INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	160,108,031	499,581,304	339,473,273	212.03	26.39
5 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	173,124,681	483,047,765	309,923,084	179.02	82.71
6 ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	379,037,712	458,241,636	79,203,924	20.90	5.05
7 INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	361,536,402	445,459,833	83,923,431	23.21	35.63
8 MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	363,993,619	407,957,128	43,963,509	12.08	22.15
9 AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	442,707,805	384,618,273	-58,089,532	-13.12	4.44
10 TURBOJETS OF A THRUST EXCEEDING 25 KN	372,289,110	372,015,803	-273,307	-0.07	9.36
11 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	186,373,190	289,379,820	103,006,630	55.27	13.63
12 INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	236,211,805	246,255,910	10,044,105	4.25	7.29
13 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES	122,422,124	241,154,907	118,732,783	96.99	17.34
14 DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	172,087,193	240,615,132	68,527,939	39.82	5.14
15 TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	302,335,171	229,904,943	-72,430,228	-23.96	16.86
16 MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	214,945,984	220,671,615	5,725,631	2.66	4.55
17 PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	148,065,015	205,094,832	57,029,817	38.52	14.11
18 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	78,292,086	192,814,559	114,522,473	146.28	30.89
19 TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	234,371,493	189,338,001	-45,033,492	-19.21	5.02
20 HORMONES AND DERIV NESOI, STEROIDS ETC NESOI	120,537,542	183,158,980	62,621,438	51.95	83.86
RANK TOP 10 COMMODITY GAINS	1999	2000	INCR 99-00	%INCR	%US
1 PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	774,355,899	1,474,993,399	700,637,500	90.48	21.95
O INOT TO OUTON OFMICONDUCT WAFERO SCHOOL THAT DECODE					
2 INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	160,108,031	499,581,304	339,473,273	212.03	26.39
3 METAL OXIDE SEMICONDUCTORS(MOS), MONO DIGITAL INTEG	160,108,031 449,139,374	766,977,317	339,473,273 317,837,943	212.03 70.77	
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	449,139,374 173,124,681	766,977,317 483,047,765	317,837,943 309,923,084	70.77 179.02	2.10 82.71
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES	449,139,374 173,124,681 122,422,124	766,977,317 483,047,765 241,154,907	317,837,943 309,923,084 118,732,783	70.77 179.02 96.99	2.10 82.71 17.34
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	449,139,374 173,124,681 122,422,124 78,292,086	766,977,317 483,047,765 241,154,907 192,814,559	317,837,943 309,923,084 118,732,783 114,522,473	70.77 179.02 96.99 146.28	2.10 82.71 17.34 30.89
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590	70.77 179.02 96.99 146.28 403.91	2.10 82.71 17.34 30.89 9.90
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630	70.77 179.02 96.99 146.28 403.91 55.27	2.10 82.71 17.34 30.89 9.90 13.63
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240	70.77 179.02 96.99 146.28 403.91 55.27 295.42	2.10 82.71 17.34 30.89 9.90 13.63 17.76
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630	70.77 179.02 96.99 146.28 403.91 55.27	2.10 82.71 17.34 30.89 9.90 13.63 17.76
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086 2000 892,919,023	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11 <b>%INCR</b> -22.57	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 %US 3.75
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1,153,267,756 127,908,124	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086 <b>2000</b> 892,919,023 18,555,198	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11 <b>%INCR</b> -22.57 -85.49	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 <b>%US</b> 3.75 6.14
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756 127,908,124 127,736,052	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11 <b>%INCR</b> -22.57 -85.49 -83.04	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 <b>%US</b> 3.75 6.14 1.05
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI 4 HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756 127,908,124 127,736,052 135,979,617	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071 38,441,686	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981 -97,537,931	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11 <b>%INCR</b> -22.57 -85.49 -83.04 -71.73	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 ***US** 3.75 6.14 1.05 18.95
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI 4 HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM 5 TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756 127,908,124 127,736,052 135,979,617 302,335,171	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071 38,441,686 229,904,943	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981 -97,537,931 -72,430,228	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11 %INCR -22.57 -85.49 -83.04 -71.73 -23.96	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 <b>*US</b> 3.75 6.14 1.05 18.95 16.86
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI 4 HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM 5 TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS 6 ULTRASONIC SCANNING APPARATUS	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1,153,267,756 127,908,124 127,736,052 135,979,617 302,335,171 133,650,693	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071 38,441,686 229,904,943 69,681,783	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981 -97,537,931 -72,430,228 -63,968,910	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11  **MINCR** -22.57 -85.49 -83.04 -71.73 -23.96 -47.86	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 **WUS 3.75 6.14 1.05 18.95 16.86 13.47
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI 4 HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM 5 TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS 6 ULTRASONIC SCANNING APPARATUS 7 AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756 127,908,124 127,736,052 135,979,617 302,335,171 133,650,693 442,707,805	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071 38,441,686 229,904,943 69,681,783 384,618,273	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981 -97,537,931 -72,430,228 -63,968,910 -58,089,532	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11  **MINCR -22.57 -85.49 -83.04 -71.73 -23.96 -47.86 -13.12	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 ***US** 3.75 6.14 1.05 18.95 16.86 13.47 4.44
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI 4 HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM 5 TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS 6 ULTRASONIC SCANNING APPARATUS 7 AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756 127,908,124 127,736,052 135,979,617 302,335,171 133,650,693 442,707,805 205,092,730	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071 38,441,686 229,904,943 69,681,783 384,618,273 149,977,441	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981 -97,537,931 -72,430,228 -63,968,910 -58,089,532 -55,115,289	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11 %INCR -22.57 -85.49 -83.04 -71.73 -23.96 -47.86 -13.12 -26.87	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 **US 3.75 6.14 1.05 18.95 16.86 13.47 4.44 87.44
3 METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG 4 PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS 5 DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES 6 PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI 7 BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS 8 MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI 9 TANTALUM ELECTROLYTIC FIXED CAPACITORS 10 PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS  TOP 10 COMMODITY LOSSES 1 PARTS & ACCESSORIES FOR ADP MACHINES & UNITS 2 INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ 3 ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI 4 HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM 5 TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS 6 ULTRASONIC SCANNING APPARATUS 7 AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	449,139,374 173,124,681 122,422,124 78,292,086 26,051,430 186,373,190 30,723,317 25,695,907 1999 1,153,267,756 127,908,124 127,736,052 135,979,617 302,335,171 133,650,693 442,707,805	766,977,317 483,047,765 241,154,907 192,814,559 131,277,020 289,379,820 121,486,557 112,319,086  2000 892,919,023 18,555,198 21,670,071 38,441,686 229,904,943 69,681,783 384,618,273	317,837,943 309,923,084 118,732,783 114,522,473 105,225,590 103,006,630 90,763,240 86,623,179 INCR 99-00 -260,348,733 -109,352,926 -106,065,981 -97,537,931 -72,430,228 -63,968,910 -58,089,532	70.77 179.02 96.99 146.28 403.91 55.27 295.42 337.11  **MINCR -22.57 -85.49 -83.04 -71.73 -23.96 -47.86 -13.12	2.10 82.71 17.34 30.89 9.90 13.63 17.76 15.48 **US 3.75 6.14 1.05 18.95 16.86 13.47 4.44 87.44

### **Massachusetts Top 5 Export Industries**

- Electronic and Electric Equipment Excluding Computers
- Industrial machinery and Computer Equipment
- Instruments and Related Products
- Chemicals and Allied Products
- Fabricated Metal Products

#### Overview

The following tables and graphs in this section show additional details about Massachusetts's export performance in each of its top five industries. There are two charts and two tables for each industry. The stacked bar chart shows changes in the relative shares of the top destinations for each industry from 1990-2000, as well as total industry performance over the decade since the stacked segments sum to the state export total. The line chart compares MA and US export growth to the world in the industries from 1990-2000, as well as MA growth to each of its top three countries of destination. The first table shows top 20 countries and top 10 growth and loss destinations for the industries. The second table shows top 20 commodities comprising the industry and top 10 growth and loss commodities. Highlights of the detailed tables and charts are presented below.

### **Electronic and Electric Equipment Excluding Computers**

Massachusetts electronic and electric equipment exports increased over \$2 billion (45%), to \$6.5 billion in 2000. Massachusetts electronics export growth lagged behind US growth throughout the 1990s, but caught up with the national pace by the year 2000. Canada is the leading destination for Massachusetts electronics exports, followed closely by Japan, Germany, United Kingdom, and Netherlands. Massachusetts ships 40% of its electronics products to European markets, 40% to Asian markets, and 14% to Canada.

Telecommunications equipment, electronic integrated circuits, and diodes are Massachusetts' leading electronics exports. Domestic competition in the integrated circuits market is fierce. Nationwide, Massachusetts and New York sustained some of the largest increases in integrated circuits exports, while Maine and Vermont suffered some of the greatest losses. Massachusetts' leading and largest growth commodities in 2000 were parts for electrical apparatus for line telephony and metal oxide semiconductors. Massachusetts also had very high specialization and growth in diodes except photosensitive or light-emitting, tantalum electrolytic fixed capacitors, multiple loudspeakers mounted in the same enclosure, and parts of electric machinery nesoi. Digital computer systems nesoi and static converters; computer power supplies were also among the leading growth commodities. In the medical sector, electro-diagnostic apparatus nesoi was the eleventh ranked commodity exported. The state's largest losses occurred in electric apparatus for protecting electric circuits not over 1000 volts nesoi, telephonic or telegraphic switching apparatus, and telecomm apparatus for carrier-current and digital systems nesoi.

### **Industrial Machinery and Computer Equipment**

After two years of decline, Massachusetts' exports of industrial machinery and computer equipment increased 15.6% to \$4.8 billion in the year 2000. Japan surpassed Canada as the leading destination. The state's next largest markets were United Kingdom, Germany, and

France. Massachusetts had very strong growth in many of its major markets. Exports to Korea and Malaysia more than doubled. Korea, Taiwan, France, and Japan had the largest increases in imports from Massachusetts in 2000, while Netherlands, Australia, Ireland, and Mexico sustained the largest decreases. Except in Canada in the early 1990s, Massachusetts' machinery and computers export growth lagged behind national growth throughout the past decade. MA shipments to Canada peaked in 1995, declined for four consecutive years, and finally achieved 0.92% growth in 2000.

In the year 2000 computer parts and accessories, computers, particle accelerators for semiconductors, and machines with individual functions nesoi and parts were Massachusetts' primary industrial machinery and computer exports. The state also had high growth and specialization in filtering and purifying machinery, industrial robots for multiple purposes, printing machinery, machines for making print blocks and plates, and industrial laboratory furnaces. The largest increases occurred in particle accelerators for semiconductors, digital computer systems, beverage filtering or purifying machines, and laptop computers. The largest losses occurred in computer parts and accessories, computers nesoi, and turbojet parts.

### **Instruments and Related Products**

Massachusetts' exports of instruments and related products surged 23% in 2000 to reach \$4.1 billion in total shipments. Instruments exports expanded at a steady and rapid pace after 1994, slowing only slightly in 1998. Growth in exports to Taiwan was particularly strong. Over the past decade Massachusetts growth lagged behind national growth, but by 2000 had nearly caught up with the US pace. Japan, Netherlands, Taiwan, United Kingdom, and Germany were the leading destinations in 2000. Taiwan surpassed United Kingdom, Germany, and Canada to become MA's third largest market in 2000. Canada dropped from fifth to sixth largest destination in 2000. Massachusetts markets for its high-tech instruments were very evenly divided in 2000 between European and Asian markets, with a smaller Canadian component. However, Brazil and Mexico ranked in the top 20 markets, as did Australia. MA's largest export gains in 2000, by dollar value and percent increase, occurred in Taiwan, Korea, and Philippines, while Egypt, Belgium, and Italy had the largest decreases. Of the top 20 destinations, only Italy had decreasing imports from MA in 2000.

Massachusetts' instruments exports were led in the year 2000 by instruments for measuring electrical quantities and ionizing radiations (HS 9030) such as instruments to check semiconductors, other instruments nesoi and their parts, and instruments for telecommunications. Medical instruments such as needles, catheters, surgical instruments, electro-diagnostic apparatus, and artificial joints comprised the second largest type of instruments exports. Instruments for physical or chemical analysis (HS 9027), including spectrometers, spectrophotometers, and chromatographs, were the third largest component of Massachusetts' instruments exports. MA also has great specialization in photographic instruments and products, such as parts and accessories for still photo cameras, photo film with no sprocket holes, etc., and chemical sensitizing emulsions for photographic uses. The largest export increases were in instruments to check semiconductors and parts of controlling instruments, while the largest decreases were in instruments for checking the flow level of liquid and ultrasonic scanning apparatus.

#### **Chemicals and Allied Products**

Massachusetts' exports of chemicals and allied products expanded 15% to \$1.5 billion in 2000. Massachusetts' chemicals export increases were strong and steady from 1993-2000. MA growth exceeded US growth from 1996-2000, especially in France, United Kingdom, and Mexico. Over 50% of Massachusetts chemicals exports are destined for European markets, while 18% go to Asia, and another 14% each to Canada and Latin America. In the year 2000 the leading destinations were France, Canada, United Kingdom, Mexico, and Germany. France, Germany, and Japan had the largest increases in imports from MA, while Netherlands, United Kingdom, and Switzerland had the largest losses.

Medicine in measured doses for retail sale, hormones and derivatives and steroids nesoi, composite diagnostic reagents, and antiserra and blood fractions and immunization products were the leading Massachusetts chemicals exports in 2000. Massachusetts has high specialization in many chemical products including hormones, cyanides, shaving preparations, and radioactive elements and isotopes. Several plastics in primary forms are among MA's top 20 chemicals exports, such as polycarbonates, silicones, acrylic polymers nesoi, polyurethanes, and vinyl polymers nesoi. Hormones and derivatives nesoi, composite diagnostic reagents, and vaccines for human medicine had the largest gains in 2000, while hormones in dosage form, mastics; painter's fillings, and personal deodorants had the largest losses

#### **Fabricated Metals**

Massachusetts fabricated metals exports sustained a second consecutive year of 5% growth and reached \$738 million in total shipments in 2000. The industry underwent two expansions and contractions during the 1990s, peaking in 1992 at \$727 million and 1997 at \$824 million, and is currently in the midst of another modest growth period. MA growth exceeded US growth in fabricated metals throughout most of the 1990s, falling below the national level after 1997. Shipments to UK expanded rapidly in 1998 and 1999 because of increased razor shipments. Canada, United Kingdom, Japan, Mexico, and Germany have long been the primary destinations for Massachusetts' primary metals, although shipments to Germany have fallen considerably since 1996. Other leading markets change from year to year because of the types of products shipped. In 2000 Egypt became the second largest destination because of \$131 million in shipments of bombs, mines, and other ammunition. Other large gains occurred in Japan, Brazil, and India, while the biggest losses occurred in Saudi Arabia, Malaysia, and United Kingdom.

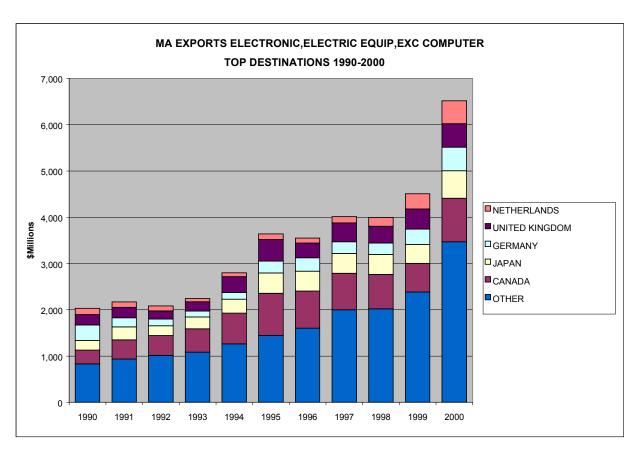
Razors and bombs were Massachusetts leading fabricated metals exports in the year 2000, followed by safety razor blade, taps and cocks for pipes and vats with thermostatic control nesoi, and bandsaw blades. The very large increase in bomb and ammunition shipments (primarily to Egypt) was more than enough to offset a substantial decline in exports of razors and military weapons (primarily to Saudi Arabia). The state's greatest commodities of specialization included razors and safety razor blades, bandsaw blades, and revolvers and pistols. There was large growth in many commodities besides bombs, including bandsaw blades, parts for auxiliary plants for boilers, coin nesoi, and valves for oleohydraulic or pneumatic transmissions to name a few.

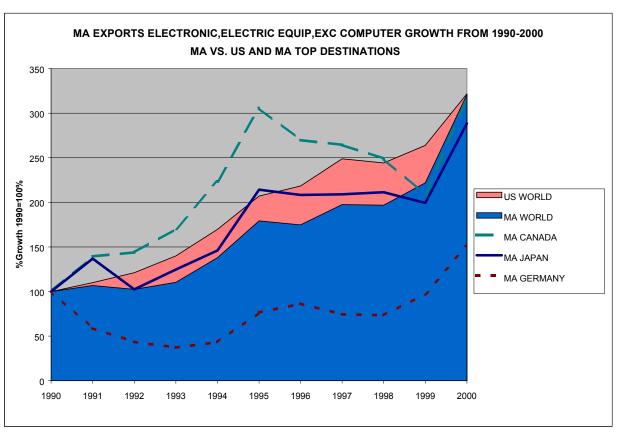
## Massachusetts Exports SIC 36: Electronic, Electric Equip, Exc Computer Leading Commodities by \$Value, Growth, and Loss of Shipments 1999-2000

	HS 6	TOP 20 COMMODITIES	1999	2000	\$Incr 99-00	%99-00	%US
1	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	774,355,899	1,474,993,399	700,637,500	90.48	21.95
2	854213	METAL OXIDE SEMICONDUCTORS(MOS), MONO DIGITAL INTEG	449,139,374	766,977,317	317,837,943	70.77	2.10
3	854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	379,037,712	458,241,636	79,203,924	20.90	5.05
4	854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	186,373,190	289,379,820	103,006,630	55.27	13.63
5	854110	DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES	122,422,124	241,154,907	118,732,783	96.99	17.34
6	847149*	DIGITAL ADP MAC & UNITS, ENTERED AS SYSTEMS, NESOI	172,087,193	240,615,132	68,527,939	39.82	5.14
7	851730	TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	302,335,171	229,904,943	-72,430,228	-23.96	16.86
8	854390	PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	78,292,086	192,814,559	114,522,473	146.28	30.89
9	851750	TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	234,371,493	189,338,001	-45,033,492	-19.21	5.02
10	850440	STATIC CONVERTERS; ADP POWER SUPPLIES	109,672,049	176,546,242	66,874,193	60.98	8.57
11	901819*	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	165,856,497	169,679,729	3,823,232	2.31	9.45
12	847989*	MACH & MECHANICAL APPL W INDIVIDUAL FUNCTION NESOI	92,884,487	147,595,165	54,710,678	58.90	1.72
13	853221	TANTALUM ELECTROLYTIC FIXED CAPACITORS	30,723,317	121,486,557	90,763,240	295.42	
14	854290	ELECTRONIC INTEGRATED CIRCUITS AND MCRSSMBLS PARTS	132,437,100	119,473,492	-12,963,608	-9.79	5.92
15	852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	62,718,568	112,632,264	49,913,696	79.58	2.66
16	853400	PRINTED CIRCUITS	65,295,163	100,450,045	35,154,882	53.84	3.27
17	851780	ELECTRIC TELEPHONIC & TELEGRAPHIC APPARATUS, NESOI	54,740,210	91,153,804	36,413,594	66.52	
18	853890	PT F ELECT APPR F ELECT CIRCT; F ELCT CONTRL NESOI	85,308,137	88,770,218	3,462,081	4.06	4.61
19	851822	MULTIPLE LOUDSPEAKERS, MOUNTED IN SAME ENCLOSURE	25,495,564	77,420,041	51,924,477	203.66	
20	853650	ELECT SWITCHES F VOLTAGE NOT OVER 1000 V, NESOI	57,742,649	72,955,582	15,212,933	26.35	5.47
							2/112
1	HS 6	TOP 10 GROWTH COMMODITIES	1999	2000	\$Incr 99-00	<b>%99-00</b>	
1	851790 854213	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.  METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	774,355,899	1,474,993,399	700,637,500	70.77	21.95
3	854110	DIODES EX PHOTOSENSITIVE OR LIGHT-EMITTING DIODES	449,139,374 122,422,124	766,977,317 241,154,907	317,837,943	96.99	
4	854390	PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	78,292,086	192,814,559	118,732,783 114,522,473	146.28	
5	854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	186,373,190	289,379,820	103,006,630	55.27	
6	853221	TANTALUM ELECTROLYTIC FIXED CAPACITORS	30,723,317	121,486,557	90,763,240	295.42	
7	854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	379,037,712	458,241,636	79,203,924	20.90	5.05
8	847149*	DIGITAL ADP MAC & UNITS, ENTERED AS SYSTEMS, NESOI	172,087,112	240,615,132	68,527,939	39.82	5.14
9	850440	STATIC CONVERTERS; ADP POWER SUPPLIES	109,672,049	176,546,242	66,874,193	60.98	
10		SEMICNDCTR DVICE EX PHOTOSENSITIVE/PHOTOVOLTAIC CL	9,206,219		54,736,664	594.56	
10	00+100	SEMICIDENTE EXTENDED CHART TO TO VOLITILO SE	0,200,210	00,042,000	04,700,004	004.00	10.02
	HS 6	TOP 10 LOSSES BY COMMODITY	1999	2000	\$Incr 99-00	%99-00	%US
1	853690	ELECT APPR F PRTCT TO ELECT CIRCT NOV 1000 V NESOI	127,736,052		-106,065,981	-83.04	1.05
2	851730	TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	302,335,171	229,904,943	-72,430,228	-23.96	16.86
3	851750	TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	234,371,493	189,338,001	-45,033,492	-19.21	5.02
4	852313	MAGNETIC TAPE UNRECORDED WIDTH EXCEEDING 6.5 MM	33,585,022	14,251,345	-19,333,677	-57.57	4.35
5	854290	ELECTRONIC INTEGRATED CIRCUITS AND MCRSSMBLS PARTS	132,437,100	119,473,492	-12,963,608	-9.79	5.92
6	850490	PTS FOR ELECT TRANSFORMERS STATIC CONVERTERS INDCT	28,874,108	16,976,093	-11,898,015	-41.21	1.97
7	852790	RECEPTION APPR RADIO-TELEPHON/TELEGRAPH ETC NESOI	11,556,063	3,086,612	-8,469,451	-73.29	0.93
8	851719	VIDEOPHONES & OTHER TELEPHONE SETS, N.E.S.O.I.	37,592,530	29,949,779	-7,642,751	-20.33	9.24
9	854214	MONOLITHIC DIGITAL INTEG CIRCUITS, BIPOLAR TCHNOLGY	33,444,639	26,432,297	-7,012,342	-20.97	2.00
10	852499*	RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	77,969,269	72,093,882	-5,875,387	-7.54	11.05

# Massachusetts Exports SIC 36: Electronic, Electric Equip, Exc Computer Leading Destinations by \$Value, Growth, and Loss of Shipments 1999-2000

	TOP 20 DESTINATIONS	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL COUNTRIES	4,506,524,243	6,517,664,884	12.76	44.63	2,011,140,641	4.55
1	CANADA	620,476,981	940,736,627	-16.33	51.62	320,259,646	3.87
2	JAPAN	409,036,568	592,008,101	-5.68	44.73	182,971,533	6.03
3	GERMANY	328,126,895	509,625,711	32.79	55.31	181,498,816	13.56
4	UNITED KINGDOM	439,692,358	507,634,452	21.09	15.45	67,942,094	8.19
5	NETHERLANDS	325,661,318	495,849,718	71.87	52.26	170,188,400	18.47
6	KOREA, REPUBLIC OF	220,585,443	363,111,846	79.11	64.61	142,526,403	4.33
7	IRELAND	176,985,853	362,228,318	92.45	104.67	185,242,465	20.79
8	CHINA (TAIWAN)	253,226,549	341,881,302	-4.40	35.01	88,654,753	5.02
9	CHINA (MAINLAND)	177,490,213	273,886,191	26.26	54.31	96,395,978	10.74
10	FRANCE	167,516,801	269,698,609	2.20	61.00	102,181,808	10.59
11	PHILIPPINES	179,292,177	260,289,442	-13.05	45.18	80,997,265	4.74
12	MALAYSIA	118,089,985	233,453,739	34.18	97.69	115,363,754	3.50
13	HONG KONG	110,643,112	199,039,356	7.89	79.89	88,396,244	4.34
14	MEXICO	149,130,449	188,863,059	64.46	26.64	39,732,610	0.67
15	SINGAPORE	143,215,559	185,725,010	14.20	29.68	42,509,451	3.17
16	ITALY	53,627,458	99,832,730	-27.13	86.16	46,205,272	5.86
17	BRAZIL	50,592,917	78,267,228	84.63	54.70	27,674,311	2.37
18	AUSTRALIA	44,283,987	70,062,507	2.40	58.21	25,778,520	5.59
19	SPAIN	87,907,054	66,697,267	117.56	-24.13	-21,209,787	10.76
20	ISRAEL	38,114,638	55,964,430	-18.15	46.83	17,849,792	3.51
						41 44 44	2/112
	TOP 10 GROWTH COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	CANADA	620,476,981	940,736,627	-16.33	51.62	320,259,646	3.87
2	IRELAND	176,985,853	362,228,318	92.45	104.67	185,242,465	20.79
3	JAPAN	409,036,568	592,008,101	-5.68	44.73	182,971,533	6.03
4	GERMANY	328,126,895	509,625,711	32.79	55.31	181,498,816	13.56
5	NETHERLANDS	325,661,318		71.87	52.26	170,188,400	18.47
6	KOREA, REPUBLIC OF	220,585,443		79.11	64.61	142,526,403	4.33
7	MALAYSIA FRANCE	118,089,985 167,516,801	233,453,739	34.18	97.69	115,363,754	3.50
8			269,698,609	2.20	61.00	102,181,808	10.59
9	CHINA (MAINLAND)	177,490,213	273,886,191	26.26	54.31	96,395,978	10.74
10	CHINA (TAIWAN)	253,226,549	341,881,302	-4.40	35.01	88,654,753	5.02
	TOP 10 LOSSES BY COUNTRY	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	SAUDI ARABIA	55,030,568	7,370,218	186.17	-86.61	-47,660,350	2.06
2	SPAIN	87,907,054	66,697,267	117.56	-24.13	-21,209,787	10.76
3	BRUNEI	10,664,022		##########	-94.65	-10,093,089	0.66
4	BELGIUM	56,854,935	47,289,154	18.14	-16.82	-9,565,781	5.36
5	EGYPT	10,919,147	4,022,207	-15.81	-63.16	-6,896,940	2.49
6	TURKEY	11,143,937	5,490,858	78.77	-50.73	-5,653,079	3.05
7	GREECE	7,687,632	2,376,082	-52.01	-69.09	-5,311,550	2.62
8	CZECH REPUBLIC	7,539,990	2,311,743	196.86	-69.34	-5,228,247	2.18
9	REPUBLIC OF SOUTH AFRICA	11,670,086	6,890,787	-6.42	-40.95	-4,779,299	3.40
10	GUATEMALA	4,156,865	369,876	37.94	-91.10	-3,786,989	0.20
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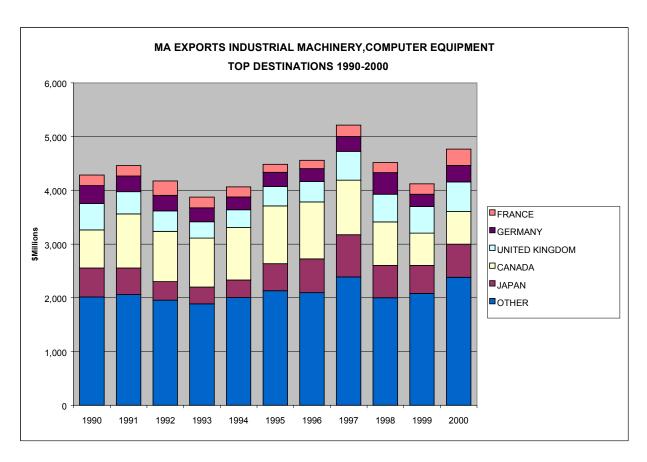


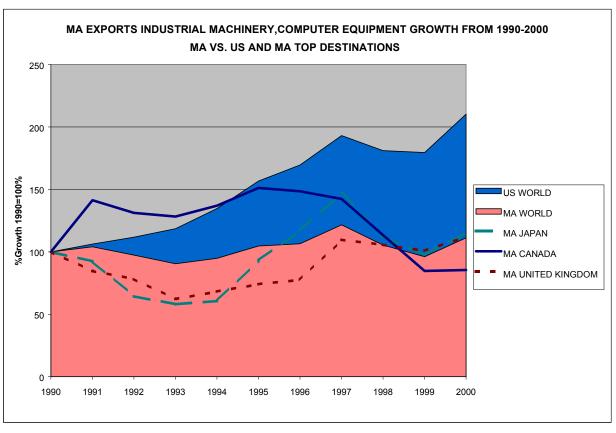
## Massachusetts Exports SIC 35: Industrial Machinery, Computer Equipment Leading Commodities by \$Value, Growth, and Loss of Shipments 1999-2000

	HS 6	TOP 20 COMMODITIES	1999	2000	\$Incr 99-00	%99-00	%US
1	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	1,153,267,756	892,919,023	-260,348,733	-22.57	3.75
2	854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	173,124,681	483,047,765	309,923,084	179.02	82.71
3	847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	442,707,805	384,618,273	-58,089,532	-13.12	4.44
4	841112*	TURBOJETS OF A THRUST EXCEEDING 25 KN	372,289,110	372,015,803	-273,307	-0.07	9.36
5	847149*	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	172,087,193	240,615,132	68,527,939	39.82	5.14
6	847989*	MACH & MECHANICAL APPL W INDIVIDUAL FUNCTION NESOI	92,884,487	147,595,165	54,710,678	58.90	1.72
7	847130	PORT DIGTL AUTOMATIC DATA PROCESS MACH NOT > 10 KG	82,629,196	137,944,415	55,315,219	66.94	8.99
8	847990	PTS OF MACH/MECHNCL APPL W INDVDUL FUNCTION NESOI	85,695,890	135,657,029	49,961,139	58.30	4.46
9	847141	DIGITAL ADP MACH, WITH CP UNIT, INPUT, OUTPUT, NESOI	86,641,979	117,733,457	31,091,478	35.89	9.33
10	847190	ADP MAC&UNTS THEREOF;MAG/OPT RDER,TRNSCRB,PROC DAT	74,498,871	115,511,948	41,013,077	55.05	6.74
11	842199	FILTER/PURIFY MACHINE & APPARATUS PARTS	46,480,486	97,247,255	50,766,769	109.22	10.97
12	841191*	TURBOJET AND TURBOPROLLER PARTS	133,174,815	92,607,668	-40,567,147	-30.46	1.37
13	847170	AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I	127,612,173	91,701,303	-35,910,870	-28.14	2.09
14	847150	DIGITAL PROCESSING UNITS, N.E.S.O.I.	87,212,786	90,573,812	3,361,026	3.85	2.01
15	844359	PRINTING MACHINERY, EXCEPT UNITS OF 8471, NESOI	52,761,786	75,869,846	23,108,060	43.80	30.04
16	847950	INDUSTRIAL ROBOTS FOR MULTIPLE USES	35,638,194	73,805,569	38,167,375	107.10	32.05
17	844230	MACH & EQUIP, NESOI, F MAKING PRINT BLOCKS, PLATES	32,371,778	66,531,040	34,159,262	105.52	36.83
18	842122	BEVERAGE FILTERING OR PURIFYING MACH & APPARATUS	7,716,845	65,560,211	57,843,366	749.57	76.00
19	851430	INDUSTRIAL, LABORATORY FURNACES, OVENS, NESOI	33,722,806	57,500,872	23,778,066	70.51	11.07
20	847160	ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI	64,972,821	55,286,520	-9,686,301	-14.91	1.53
	HS 6	TOP 10 GROWTH COMMODITIES	1999	2000	\$Incr 99-00	%99-00	
1	854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	173,124,681	483,047,765	309,923,084	179.02	
2	847149*	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	172,087,193	240,615,132	68,527,939		5.14
3		BEVERAGE FILTERING OR PURIFYING MACH & APPARATUS	7,716,845	65,560,211	57,843,366	749.57	
4	847130	PORT DIGTL AUTOMATIC DATA PROCESS MACH NOT > 10 KG	82,629,196	137,944,415	55,315,219	66.94	8.99
5		MACH & MECHANICAL APPL W INDIVIDUAL FUNCTION NESOI	92,884,487	147,595,165	54,710,678	58.90	1.72
6	842199	FILTER/PURIFY MACHINE & APPARATUS PARTS	46,480,486	97,247,255	50,766,769	109.22	
7		PTS OF MACH/MECHNCL APPL W INDVDUL FUNCTION NESOI	85,695,890	135,657,029	49,961,139	58.30	4.46
8		ADP MAC&UNTS THEREOF;MAG/OPT RDER,TRNSCRB,PROC DAT	74,498,871	115,511,948	41,013,077	55.05	6.74
9	841350	RECIPROCATING POSITIVE DISPLACEMENT PUMPS, NESOI	15,522,577	54,928,470	39,405,893	253.86	
10	847950	INDUSTRIAL ROBOTS FOR MULTIPLE USES	35,638,194	73,805,569	38,167,375	107.10	32.05
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							%US
	HS 6	TOP 10 LOSSES BY COMMODITY	1999	2000	\$Incr 99-00	%99-00	
1	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	1,153,267,756	892,919,023	-260,348,733	-22.57	3.75
2	847330 847180	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	1,153,267,756 442,707,805	892,919,023 384,618,273	-260,348,733 -58,089,532	-22.57 -13.12	3.75 4.44
3	847330 847180 841191*	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS	1,153,267,756 442,707,805 133,174,815	892,919,023 384,618,273 92,607,668	-260,348,733 -58,089,532 -40,567,147	-22.57 -13.12 -30.46	3.75 4.44 1.37
2 3 4	847330 847180 841191* 847170	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I	1,153,267,756 442,707,805 133,174,815 127,612,173	892,919,023 384,618,273 92,607,668 91,701,303	-260,348,733 -58,089,532 -40,567,147 -35,910,870	-22.57 -13.12 -30.46 -28.14	3.75 4.44 1.37 2.09
2 3 4 5	847330 847180 841191* 847170 842129	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I FILTER/PURIFY MACHINE & APPARATUS FOR LIQUID NESOI	1,153,267,756 442,707,805 133,174,815 127,612,173 56,154,625	892,919,023 384,618,273 92,607,668 91,701,303 22,598,967	-260,348,733 -58,089,532 -40,567,147 -35,910,870 -33,555,658	-22.57 -13.12 -30.46 -28.14 -59.76	3.75 4.44 1.37 2.09 7.82
2 3 4 5 6	847330 847180 841191* 847170 842129 844210	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I FILTER/PURIFY MACHINE & APPARATUS FOR LIQUID NESOI PHOTOTYPESETTING AND COMPOSING MACHINES	1,153,267,756 442,707,805 133,174,815 127,612,173 56,154,625 36,791,163	892,919,023 384,618,273 92,607,668 91,701,303 22,598,967 8,474,800	-260,348,733 -58,089,532 -40,567,147 -35,910,870 -33,555,658 -28,316,363	-22.57 -13.12 -30.46 -28.14 -59.76 -76.97	3.75 4.44 1.37 2.09 7.82 19.00
2 3 4 5 6 7	847330 847180 841191* 847170 842129 844210 847090	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I FILTER/PURIFY MACHINE & APPARATUS FOR LIQUID NESOI PHOTOTYPESETTING AND COMPOSING MACHINES POSTAGE-FRANKING & SIMILAR MACH WITH CALCLING DVCE	1,153,267,756 442,707,805 133,174,815 127,612,173 56,154,625 36,791,163 20,899,543	892,919,023 384,618,273 92,607,668 91,701,303 22,598,967 8,474,800 5,877,781	-260,348,733 -58,089,532 -40,567,147 -35,910,870 -33,555,658 -28,316,363 -15,021,762	-22.57 -13.12 -30.46 -28.14 -59.76 -76.97 -71.88	3.75 4.44 1.37 2.09 7.82 19.00 7.88
2 3 4 5 6 7 8	847330 847180 841191* 847170 842129 844210 847090 844351	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I FILTER/PURIFY MACHINE & APPARATUS FOR LIQUID NESOI PHOTOTYPESETTING AND COMPOSING MACHINES POSTAGE-FRANKING & SIMILAR MACH WITH CALCLTNG DVCE INK-JET PRINTING MACHINERY, EXCEPT UNITS OF 8471	1,153,267,756 442,707,805 133,174,815 127,612,173 56,154,625 36,791,163 20,899,543 20,723,668	892,919,023 384,618,273 92,607,668 91,701,303 22,598,967 8,474,800 5,877,781 6,321,257	-260,348,733 -58,089,532 -40,567,147 -35,910,870 -33,555,658 -28,316,363 -15,021,762 -14,402,411	-22.57 -13.12 -30.46 -28.14 -59.76 -76.97 -71.88 -69.50	3.75 4.44 1.37 2.09 7.82 19.00 7.88 3.73
2 3 4 5 6 7	847330 847180 841191* 847170 842129 844210 847090 844351 844240	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TURBOJET AND TURBOPROLLER PARTS AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I FILTER/PURIFY MACHINE & APPARATUS FOR LIQUID NESOI PHOTOTYPESETTING AND COMPOSING MACHINES POSTAGE-FRANKING & SIMILAR MACH WITH CALCLING DVCE	1,153,267,756 442,707,805 133,174,815 127,612,173 56,154,625 36,791,163 20,899,543	892,919,023 384,618,273 92,607,668 91,701,303 22,598,967 8,474,800 5,877,781	-260,348,733 -58,089,532 -40,567,147 -35,910,870 -33,555,658 -28,316,363 -15,021,762	-22.57 -13.12 -30.46 -28.14 -59.76 -76.97 -71.88	3.75 4.44 1.37 2.09 7.82 19.00 7.88 3.73 38.81

# Massachusetts Exports SIC 35: Industrial Machinery, Computer Equipment Leading Destinations by \$Value, Growth, and Loss of Shipments 1999-2000

	TOP 20 DESTINATIONS	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL COUNTRIES	4,121,133,797	4,766,023,878	-8.74	15.65	644,890,081	3.35
1	JAPAN	522,086,014	619,061,223	-13.27	18.57	96,975,209	5.74
2	CANADA	603,079,932	608,638,721	-25.40	0.92	5,558,789	2.07
3	UNITED KINGDOM	491,978,025	548,053,631	-4.65	11.40	56,075,606	6.16
4	GERMANY	229,657,979	307,780,513	-42.64	34.02	78,122,534	4.64
5	FRANCE	194,663,329	303,441,488	3.36	55.88	108,778,159	7.36
6	CHINA (TAIWAN)	161,207,227	302,420,274	63.80	87.60	141,213,047	5.01
7	KOREA, REPUBLIC OF	129,778,133	293,098,462	47.69	125.85	163,320,329	5.03
8	SINGAPORE	196,908,623	204,080,742	33.33	3.64	7,172,119	4.00
9	IRELAND	205,668,298	172,504,470	16.74	-16.12	-33,163,828	7.21
10	MEXICO	152,964,002	129,645,073	31.15	-15.24	-23,318,929	0.91
11	NETHERLANDS	176,636,571	123,564,571	-1.95	-30.05	-53,072,000	1.94
12	BELGIUM	109,281,025	109,861,233	13.88	0.53	580,208	4.64
13	ITALY	70,858,320	100,418,819	-2.36	41.72	29,560,499	5.27
14	ISRAEL	96,438,212	89,909,301	64.27	-6.77	-6,528,911	7.89
15	CHINA (MAINLAND)	62,070,296	89,270,004	-29.84	43.82	27,199,708	2.63
16	MALAYSIA	28,366,887	77,125,693	-16.19	171.89	48,758,806	4.57
17	HONG KONG	82,622,782	74,115,875	-33.95	-10.30	-8,506,907	2.66
18	BRAZIL	57,252,237	66,553,157	-27.95	16.25	9,300,920	1.92
19	AUSTRALIA	104,340,002	58,506,001	-7.63	-43.93	-45,834,001	1.84
20	SWITZERLAND	37,372,680	40,069,399	-26.96	7.22	2,696,719	5.46
	TOP 10 GROWTH COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	KOREA, REPUBLIC OF	129,778,133	293,098,462	47.69	125.85	163,320,329	5.03
2	CHINA (TAIWAN)	161,207,227	302,420,274	63.80	87.60	141,213,047	5.01
3	FRANCE	194,663,329	303,441,488	3.36	55.88	108,778,159	7.36
4	JAPAN	522,086,014	619,061,223	-13.27	18.57	96,975,209	5.74
5	GERMANY	229,657,979	307,780,513	-42.64	34.02	78,122,534	4.64
6	UNITED KINGDOM	491,978,025	548,053,631	-4.65	11.40	56,075,606	6.16
7	MALAYSIA	28,366,887	77,125,693	-16.19	171.89	48,758,806	4.57
8	ITALY	70,858,320	100,418,819	-2.36	41.72	29,560,499	5.27
9	CHINA (MAINLAND)	62,070,296	89,270,004	-29.84	43.82	27,199,708	2.63
10	PHILIPPINES	24,861,706	39,230,238	-29.50	57.79	14,368,532	5.65
	TOP 10 LOSSES BY COUNTRY	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	NETHERLANDS	176,636,571	123,564,571	-1.95	-30.05	-53,072,000	1.94
2	AUSTRALIA	104,340,002	58,506,001	-7.63	-43.93	-45,834,001	1.84
3	IRELAND	205,668,298	172,504,470	16.74	-16.12	-33,163,828	7.21
4	MEXICO	152,964,002	129,645,073	31.15	-15.24	-23,318,929	0.91
5	SAUDI ARABIA	18,308,662	3,912,423	63.63	-78.63	-14,396,239	0.48
6	REPUBLIC OF SOUTH AFRICA	20,061,240	9,669,631	-0.61	-51.80	-10,391,609	1.64
7	HONG KONG	82,622,782	74,115,875	-33.95	-10.30	-8,506,907	2.66
8	COLOMBIA	11,539,820	3,975,614	-38.14	-65.55	-7,564,206	0.45
9							
9	ISRAEL	96,438,212	89,909,301	64.27	-6.77	-6,528,911	7.89
10	ISRAEL AUSTRIA Cachusetts Institute for Social and	27,476,522	21,325,393	64.27 -1.53	-6.77 -22.39	-6,528,911 -6,151,129	7.89 6.56



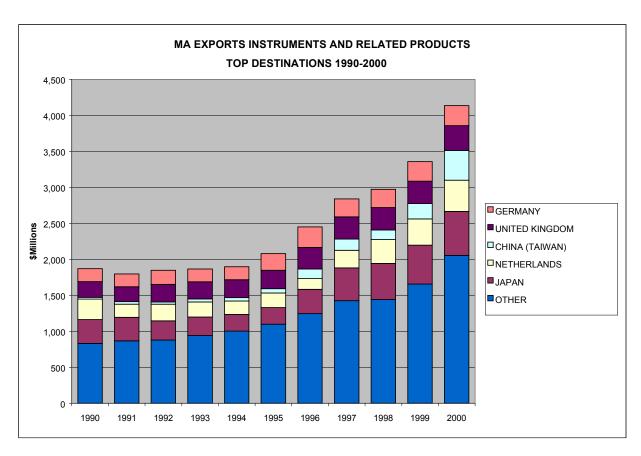


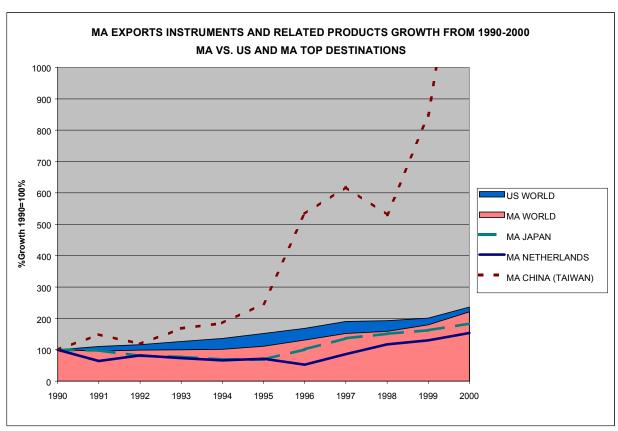
## Massachusetts Exports SIC 38: Instruments And Related Products Leading Commodities by \$Value, Growth, and Loss of Shipments 1999-2000

	HS 6	TOP 20 COMMODITIES	1999	2000	\$Incr 99-00	%99-00	%US
1	903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	160,108,031	499,581,304	339,473,273	212.03	26.39
2	903089	INST, MEASURING/CHECKING ELECTRICAL QUANTITIE, NESOI	361,536,402	445,459,833	83,923,431	23.21	35.63
3	901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	363,993,619	407,957,128	43,963,509	12.08	22.15
4	901890	INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	236,211,805	246,255,910	10,044,105	4.25	7.29
5	903090	PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	148,065,015	205,094,832	57,029,817	38.52	14.11
6	901819*	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	165,856,497	169,679,729	3,823,232	2.31	9.45
7	852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	62,718,568	112,632,264	49,913,696	79.58	2.66
8	903290	PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS	25,695,907	112,319,086	86,623,179	337.11	15.48
9	902790	PTS OF INST, PHYS/CHEM ANALYSIS ETC, NESOI	86,606,714	100,455,418	13,848,704	15.99	14.60
10	902780	PHY CHEM INS/APPR;MEAS VSCSTY & HEAT NESOI	74,728,659	89,989,493	15,260,834	20.42	9.07
11	370241	PHOT FILM NO SPROCKET HOLES, OV 610MM& OV 200MM CLR	38,404,277	76,686,979	38,282,702	99.68	26.09
12	901812	ULTRASONIC SCANNING APPARATUS	133,650,693	69,681,783	-63,968,910	-47.86	13.47
13	902730	SPCTMTR SPCTRPHTMTR ETC USING OPTICAL RADIATIONS	56,606,924	62,539,537	5,932,613	10.48	21.67
14	902720	CHROMATOGRAPHS AND ELECTROPHORESIS INSTRUMENTS	57,391,859	56,977,611	-414,248	-0.72	11.00
15	903180	MEAS & CHECKNG INSTRUMENT, APPLIANCES & MACH NESOI	50,021,655	56,359,848	6,338,193	12.67	5.65
16	900691	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS	103,186,580	55,728,791	-47,457,789	-45.99	42.41
17	902111	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	65,199,525	55,052,513	-10,147,012	-15.56	11.71
18	854389*	ELECTRICAL MACH & APPAR, HAVING INDIVDUL FUNC, NESOI	32,897,729	50,658,651	17,760,922	53.99	4.32
19	902119	ORTHPDC/FRACTR APPL (EX ART JOINT/PT),PT & ACCESS	29,492,353	49,297,935	19,805,582	67.15	10.23
20	370710	CHEMICAL SENSITIZING EMULSIONS FOR PHOTO USES	38,859,537	49,228,310	10,368,773	26.68	57.38
	HS 6	TOP 10 GROWTH COMMODITIES	1999	2000	\$Incr 99-00	%99-00	
1	903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	160,108,031	499,581,304	339,473,273	212.03	
2	903290	PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS	25,695,907	112,319,086	86,623,179	337.11	
3	903089	INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	361,536,402	445,459,833	83,923,431	23.21	
4	903090	PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	148,065,015	205,094,832	57,029,817	38.52	
5	852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	62,718,568	112,632,264	49,913,696	79.58	2.66
6	901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	363,993,619	407,957,128	43,963,509	12.08	
7	903141	OPTICAL INST FOR INSPECTING SEMICONDUCTOR WAFERS	4,496,715	47,143,240	42,646,525	948.39	3.67
8	370241	PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	38,404,277	76,686,979	38,282,702	99.68	
9	900220	FILTERS & PARTS & ACCESSORIES FOR INSTR & APPRATUS	4,700,021	37,596,845	32,896,824	699.93	
10	903040	OTH INST, SPECIALLY DESIGNED FOR TELECOMMUNICATION	21,955,731	45,888,807	23,933,076	109.01	4.60
							2/112
	HS 6	TOP 10 LOSSES BY COMMODITY	1999	2000	\$Incr 99-00	<b>%99-00</b>	
1	902610	INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ	127,908,124	18,555,198	-109,352,926	-85.49	
2		LUTRACONIC COANNING APPARATUS	400 050 000	00 004 700	02 000 040	47.00	
2	901812	ULTRASONIC SCANNING APPARATUS	133,650,693	69,681,783	-63,968,910	-47.86	
3	900691	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS	103,186,580	55,728,791	-47,457,789	-45.99	42.41
4	900691 902219	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS APPARATUS BASE ON X-RAY FOR OTH USE,EX MEDICAL,ETC	103,186,580 36,179,015	55,728,791 20,759,323	-47,457,789 -15,419,692	-45.99 -42.62	42.41 8.62
4 5	900691 902219 902111	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS APPARATUS BASE ON X-RAY FOR OTH USE,EX MEDICAL,ETC ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	103,186,580 36,179,015 65,199,525	55,728,791 20,759,323 55,052,513	-47,457,789 -15,419,692 -10,147,012	-45.99 -42.62 -15.56	42.41 8.62 11.71
4 5 6	900691 902219 902111 901590	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS APPARATUS BASE ON X-RAY FOR OTH USE,EX MEDICAL,ETC ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES PARTS AND ACCESSORIES FOR SURVEYING ETC NESOI	103,186,580 36,179,015 65,199,525 17,992,480	55,728,791 20,759,323 55,052,513 9,355,894	-47,457,789 -15,419,692 -10,147,012 -8,636,586	-45.99 -42.62 -15.56 -48.00	42.41 8.62 11.71 3.89
4 5 6 7	900691 902219 902111 901590 900120	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS APPARATUS BASE ON X-RAY FOR OTH USE,EX MEDICAL,ETC ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES PARTS AND ACCESSORIES FOR SURVEYING ETC NESOI SHEETS AND PLATES OF POLARIZING MATERIAL	103,186,580 36,179,015 65,199,525 17,992,480 12,789,336	55,728,791 20,759,323 55,052,513 9,355,894 4,642,290	-47,457,789 -15,419,692 -10,147,012 -8,636,586 -8,147,046	-45.99 -42.62 -15.56 -48.00 -63.70	42.41 8.62 11.71 3.89 8.25
4 5 6 7 8	900691 902219 902111 901590 900120 903300	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS APPARATUS BASE ON X-RAY FOR OTH USE,EX MEDICAL,ETC ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES PARTS AND ACCESSORIES FOR SURVEYING ETC NESOI SHEETS AND PLATES OF POLARIZING MATERIAL PTS, NESOI FOR MACHINES,APPLN,INST/APPTS OF CHAP90	103,186,580 36,179,015 65,199,525 17,992,480 12,789,336 24,084,489	55,728,791 20,759,323 55,052,513 9,355,894 4,642,290 19,629,503	-47,457,789 -15,419,692 -10,147,012 -8,636,586 -8,147,046 -4,454,986	-45.99 -42.62 -15.56 -48.00 -63.70 -18.50	42.41 8.62 11.71 3.89 8.25 8.32
4 5 6 7	900691 902219 902111 901590 900120	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS APPARATUS BASE ON X-RAY FOR OTH USE,EX MEDICAL,ETC ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES PARTS AND ACCESSORIES FOR SURVEYING ETC NESOI SHEETS AND PLATES OF POLARIZING MATERIAL	103,186,580 36,179,015 65,199,525 17,992,480 12,789,336	55,728,791 20,759,323 55,052,513 9,355,894 4,642,290	-47,457,789 -15,419,692 -10,147,012 -8,636,586 -8,147,046	-45.99 -42.62 -15.56 -48.00 -63.70	42.41 8.62 11.71 3.89 8.25

## Massachusetts Exports SIC 38: Instruments And Related Products Leading Destinations by \$Value, Growth, and Loss of Shipments 1999-2000

	TOP 20 DESTINATIONS	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL COUNTRIES	3,356,529,443	4,136,706,232	12.91	23.24	780,176,789	8.25
1	JAPAN	539,801,649	610,420,719	7.40	13.08	70,619,070	9.43
2	NETHERLANDS	366,781,437	434,312,822	10.71	18.41	67,531,385	18.49
3	CHINA (TAIWAN)	211,661,216	413,110,215	59.79	95.18	201,448,999	17.96
4	UNITED KINGDOM	311,688,193	344,581,889	0.01	10.55	32,893,696	9.01
5	GERMANY	269,985,353	278,628,105	6.59	3.20	8,642,752	7.77
6	CANADA	221,084,463	263,913,798	-3.98	19.37	42,829,335	3.68
7	SINGAPORE	188,979,237	240,663,162	66.85	27.35	51,683,925	16.17
8	KOREA, REPUBLIC OF	58,253,148	170,584,838	-16.76	192.83	112,331,690	10.63
9	FRANCE	152,503,834	152,623,168	42.45	0.08	119,334	5.97
10	PHILIPPINES	36,648,209	128,720,387	35.81	251.23	92,072,178	30.25
11	ITALY	115,789,645	101,835,973	24.08	-12.05	-13,953,672	8.90
12	MALAYSIA	82,710,185	85,478,017	111.14	3.35	2,767,832	13.36
13	CHINA (MAINLAND)	56,501,851	81,778,042	60.71	44.74	25,276,191	9.31
14	HONG KONG	57,561,318	79,896,125	16.29	38.80	22,334,807	9.18
15	MEXICO	68,691,430	79,504,382	47.22	15.74	10,812,952	2.11
16	IRELAND	50,985,530	67,396,209	-39.62	32.19	16,410,679	10.28
17	AUSTRALIA	59,282,015	63,821,190	2.03	7.66	4,539,175	6.04
18	SWEDEN	47,055,770	61,712,897	-29.39	31.15	14,657,127	12.11
19	BRAZIL	36,183,674	60,020,912	6.88	65.88	23,837,238	5.07
20	SPAIN	31,981,321	43,339,080	-7.55	35.51	11,357,759	8.08
	TOP 10 GROWTH COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	CHINA (TAIWAN)	211,661,216	413,110,215	59.79	95.18	201,448,999	17.96
2	KOREA, REPUBLIC OF	58,253,148	170,584,838	-16.76	192.83	112,331,690	10.63
	KOREA, REPUBLIC OF PHILIPPINES	58,253,148 36,648,209	170,584,838 128,720,387	-16.76 35.81	192.83 251.23	112,331,690 92,072,178	10.63 30.25
2	KOREA, REPUBLIC OF PHILIPPINES JAPAN	58,253,148 36,648,209 539,801,649	170,584,838 128,720,387 610,420,719	-16.76 35.81 7.40	192.83 251.23 13.08	112,331,690 92,072,178 70,619,070	10.63 30.25 9.43
2	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS	58,253,148 36,648,209 539,801,649 366,781,437	170,584,838 128,720,387 610,420,719 434,312,822	-16.76 35.81 7.40 10.71	192.83 251.23 13.08 18.41	112,331,690 92,072,178 70,619,070 67,531,385	10.63 30.25 9.43 18.49
2 3 4	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162	-16.76 35.81 7.40 10.71 66.85	192.83 251.23 13.08 18.41 27.35	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925	10.63 30.25 9.43 18.49 16.17
2 3 4 5 6 7	KOREA, REPUBLIC OF PHILIPPINES  JAPAN NETHERLANDS SINGAPORE CANADA	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798	-16.76 35.81 7.40 10.71 66.85 -3.98	192.83 251.23 13.08 18.41 27.35 19.37	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335	10.63 30.25 9.43 18.49 16.17 3.68
2 3 4 5 6	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01	192.83 251.23 13.08 18.41 27.35 19.37 10.55	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696	10.63 30.25 9.43 18.49 16.17 3.68 9.01
2 3 4 5 6 7 8 9	KOREA, REPUBLIC OF PHILIPPINES  JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND)	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31
2 3 4 5 6 7 8	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01	192.83 251.23 13.08 18.41 27.35 19.37 10.55	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696	10.63 30.25 9.43 18.49 16.17 3.68 9.01
2 3 4 5 6 7 8 9	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES  JAPAN  NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>%US</b>
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674 1999 20,646,104 51,668,486	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88 <b>%98-99</b> 433.42 14.29	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 ***99-00 -78.42 -28.81	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>%US</b> 3.98 4.07
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES  JAPAN  NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM ITALY	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674 1999 20,646,104 51,668,486 115,789,645	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88 <b>%98-99</b> 433.42 14.29 24.08	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 <b>%99-00</b> -78.42 -28.81 -12.05	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>%US</b> 3.98 4.07 8.90
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES  JAPAN  NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM ITALY FINLAND	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674 1999 20,646,104 51,668,486 115,789,645 10,276,303	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973 5,486,402	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88  %98-99 433.42 14.29 24.08 7.94	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 **99-00 -78.42 -28.81 -12.05 -46.61	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672 -4,789,901	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>%US</b> 3.98 4.07 8.90 3.45
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM ITALY FINLAND SAUDI ARABIA	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674 1999 20,646,104 51,668,486 115,789,645 10,276,303 11,290,677	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973 5,486,402 8,772,204	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88  %98-99 433.42 14.29 24.08 7.94 -21.38	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 **99-00 -78.42 -28.81 -12.05 -46.61 -22.31	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672 -4,789,901 -2,518,473	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>*US</b> 3.98 4.07 8.90 3.45 4.62
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES  JAPAN  NETHERLANDS  SINGAPORE  CANADA  UNITED KINGDOM  CHINA (MAINLAND)  BRAZIL  TOP 10 LOSSES BY COUNTRY  EGYPT  BELGIUM  ITALY  FINLAND  SAUDI ARABIA  GHANA	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674  1999 20,646,104 51,668,486 115,789,645 10,276,303 11,290,677 2,558,054	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973 5,486,402 8,772,204 206,302	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88  %98-99 433.42 14.29 24.08 7.94 -21.38 2,000.74	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 <b>%99-00</b> -78.42 -28.81 -12.05 -46.61 -22.31 -91.94	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672 -4,789,901 -2,518,473 -2,351,752	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>%US</b> 3.98 4.07 8.90 3.45 4.62 3.08
2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7	KOREA, REPUBLIC OF PHILIPPINES  JAPAN  NETHERLANDS SINGAPORE  CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM ITALY FINLAND SAUDI ARABIA GHANA ARGENTINA	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674 1999 20,646,104 51,668,486 115,789,645 10,276,303 11,290,677 2,558,054 13,364,349	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973 5,486,402 8,772,204 206,302 11,158,411	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88  %98-99 433.42 14.29 24.08 7.94 -21.38 2,000.74 -16.44	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 <b>%99-00</b> -78.42 -28.81 -12.05 -46.61 -22.31 -91.94 -16.51	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672 -4,789,901 -2,518,473 -2,351,752 -2,205,938	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>**US</b> 3.98 4.07 8.90 3.45 4.62 3.08 3.60
2 3 4 5 6 7 8 9 10	KOREA, REPUBLIC OF PHILIPPINES JAPAN NETHERLANDS SINGAPORE CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM ITALY FINLAND SAUDI ARABIA GHANA ARGENTINA GREECE	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674  1999 20,646,104 51,668,486 115,789,645 10,276,303 11,290,677 2,558,054 13,364,349 9,120,992	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973 5,486,402 8,772,204 206,302 11,158,411 7,096,526	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88  %98-99 433.42 14.29 24.08 7.94 -21.38 2,000.74 -16.44 44.65	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 <b>%99-00</b> -78.42 -28.81 -12.05 -46.61 -22.31 -91.94 -16.51 -22.20	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672 -4,789,901 -2,518,473 -2,351,752 -2,205,938 -2,024,466	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07  **US 3.98 4.07 8.90 3.45 4.62 3.08 3.60 5.50
2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7	KOREA, REPUBLIC OF PHILIPPINES  JAPAN  NETHERLANDS SINGAPORE  CANADA UNITED KINGDOM CHINA (MAINLAND) BRAZIL  TOP 10 LOSSES BY COUNTRY EGYPT BELGIUM ITALY FINLAND SAUDI ARABIA GHANA ARGENTINA	58,253,148 36,648,209 539,801,649 366,781,437 188,979,237 221,084,463 311,688,193 56,501,851 36,183,674 1999 20,646,104 51,668,486 115,789,645 10,276,303 11,290,677 2,558,054 13,364,349	170,584,838 128,720,387 610,420,719 434,312,822 240,663,162 263,913,798 344,581,889 81,778,042 60,020,912 2000 4,455,860 36,784,105 101,835,973 5,486,402 8,772,204 206,302 11,158,411	-16.76 35.81 7.40 10.71 66.85 -3.98 0.01 60.71 6.88  %98-99 433.42 14.29 24.08 7.94 -21.38 2,000.74 -16.44	192.83 251.23 13.08 18.41 27.35 19.37 10.55 44.74 65.88 <b>%99-00</b> -78.42 -28.81 -12.05 -46.61 -22.31 -91.94 -16.51	112,331,690 92,072,178 70,619,070 67,531,385 51,683,925 42,829,335 32,893,696 25,276,191 23,837,238 \$Incr 99-00 -16,190,244 -14,884,381 -13,953,672 -4,789,901 -2,518,473 -2,351,752 -2,205,938	10.63 30.25 9.43 18.49 16.17 3.68 9.01 9.31 5.07 <b>**US</b> 3.98 4.07 8.90 3.45 4.62 3.08 3.60



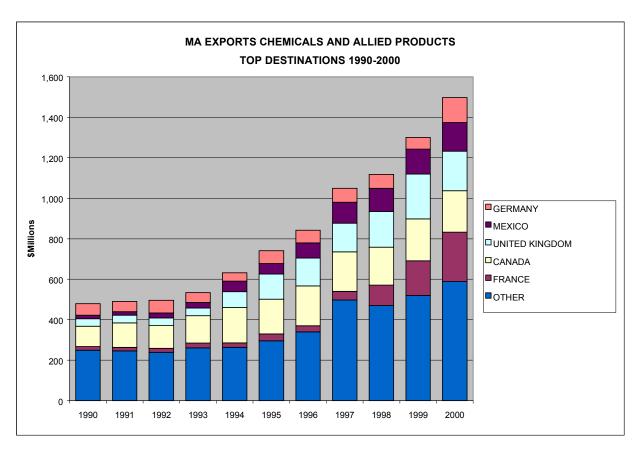


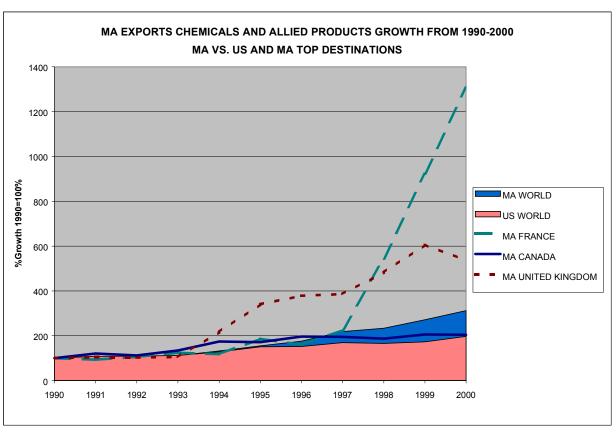
## Massachusetts Exports SIC 28: Chemicals And Allied Products Leading Commodities by \$Value, Growth, and Loss of Shipments 1999-2000

	HS 6	TOP 20 COMMODITIES	1999	2000	\$Incr 99-00	%99-00	%US
1	300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	214,945,984	220,671,615	5,725,631	2.66	4.55
2	293799	HORMONES AND DERIV NESOI, STEROIDS ETC NESOI	120,537,542	183,158,980	62,621,438	51.95	83.86
3	382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	74,420,069	131,713,153	57,293,084	76.99	5.32
4	300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	89,403,746	101,209,029	11,805,283	13.20	7.06
5	390740	POLYCARBONATES, PR FMS	28,130,376	46,521,251	18,390,875	65.38	5.94
6	300439	HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	135,979,617	38,441,686	-97,537,931	-71.73	18.95
7	284440	RADIOACTIVE ELEMENTS & ISOTOPES ETC NESOI; RESIDUE	31,914,736	31,712,916	-201,820	-0.63	25.82
8	382490*	PRODUCTS AND RESIDUALS OF CHEMICAL INDUSTRY, NESOI	23,466,482	29,981,862	6,515,380	27.76	2.12
9	300220	VACCINES FOR HUMAN MEDICINE	859,933	28,751,312	27,891,379	3,243.44	11.72
10	330720	PERSONAL DEODORANTS AND ANTIPERSPIRANTS	35,081,384	26,526,722	-8,554,662	-24.39	18.34
11	350790	ENZYMES AND PREPARED ENZYMES, NESOI	23,453,609	24,564,850	1,111,241	4.74	10.51
12	330710	PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS	27,512,484	23,993,014	-3,519,470	-12.79	46.85
13	391000	SILICONES, IN PRIMARY FORMS	21,562,090	23,819,676	2,257,586	10.47	4.87
14	390690	ACRYLIC POLYMERS NESOI, IN PRIMARY FORMS	15,085,065	21,625,088	6,540,023	43.35	2.97
15	390950	POLYURETHANES, IN PRIMARY FORMS	12,855,999	20,268,563	7,412,564	57.66	6.26
16	283719	CYANIDES AND CYANIDE OXIDES, NESOI	768,688	17,010,492	16,241,804	2,112.93	56.50
17	540249	SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI	8,342,767	16,931,640	8,588,873	102.95	10.33
18	300339	MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES	3,912,914	15,087,503	11,174,589	285.58	21.94
19	390599	VINYL POLYMERS IN PRIMARY FORMS, N.E.S.O.I.	11,781,228	14,898,415	3,117,187	26.46	15.78
20	280300	CARBON, NESOI (INCLUDING CARBON BLACK)	3,159,481	14,880,292	11,720,811	370.97	8.08
	HS 6	TOP 10 GROWTH COMMODITIES	1999	2000	\$Incr 99-00	%99-00	
1	293799	HORMONES AND DERIV NESOI, STEROIDS ETC NESOI	120,537,542	183,158,980	62,621,438		83.86
2	382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	74,420,069	131,713,153	57,293,084		
3	300220	VACCINES FOR HUMAN MEDICINE	859,933	28,751,312	27,891,379	3,243.44	
4							
	390740	POLYCARBONATES, PR FMS	28,130,376	46,521,251	18,390,875	65.38	5.94
5	390740 283719	CYANIDES AND CYANIDE OXIDES, NESOI	28,130,376 768,688	46,521,251 17,010,492	16,241,804	65.38 2,112.93	56.50
5 6	390740 283719 300210	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	28,130,376 768,688 89,403,746	46,521,251 17,010,492 101,209,029	16,241,804 11,805,283	65.38 2,112.93 13.20	56.50 7.06
5 6 7	390740 283719 300210 280300	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS CARBON, NESOI (INCLUDING CARBON BLACK)	28,130,376 768,688 89,403,746 3,159,481	46,521,251 17,010,492 101,209,029 14,880,292	16,241,804 11,805,283 11,720,811	65.38 2,112.93 13.20 370.97	56.50 7.06 8.08
5 6 7 8	390740 283719 300210 280300 300339	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS CARBON, NESOI (INCLUDING CARBON BLACK) MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES	28,130,376 768,688 89,403,746 3,159,481 3,912,914	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503	16,241,804 11,805,283 11,720,811 11,174,589	65.38 2,112.93 13.20 370.97 285.58	56.50 7.06 8.08 21.94
5 6 7 8 9	390740 283719 300210 280300 300339 540249	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS CARBON, NESOI (INCLUDING CARBON BLACK) MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873	65.38 2,112.93 13.20 370.97 285.58 102.95	56.50 7.06 8.08 21.94 10.33
5 6 7 8 9	390740 283719 300210 280300 300339 540249	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS CARBON, NESOI (INCLUDING CARBON BLACK) MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES	28,130,376 768,688 89,403,746 3,159,481 3,912,914	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503	16,241,804 11,805,283 11,720,811 11,174,589	65.38 2,112.93 13.20 370.97 285.58	56.50 7.06 8.08 21.94 10.33
5 6 7 8 9	390740 283719 300210 280300 300339 540249 390950	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS CARBON, NESOI (INCLUDING CARBON BLACK) MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI POLYURETHANES, IN PRIMARY FORMS	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66	56.50 7.06 8.08 21.94 10.33 6.26
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 HS 6	CYANIDES AND CYANIDE OXIDES, NESOI ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS CARBON, NESOI (INCLUDING CARBON BLACK) MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66	56.50 7.06 8.08 21.94 10.33 6.26
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 <b>HS 6</b> 300439	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 <b>2000</b> 38,441,686	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66 <b>%99-00</b> -71.73	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 <b>HS 6</b> 300439 321410	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66 <b>%99-00</b> -71.73 -66.10	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 <b>HS 6</b> 300439 321410 330720	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66 %99-00 -71.73 -66.10 -24.39	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 <b>HS 6</b> 300439 321410 330720 390319	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS  POLYSTYRENE NESOI, PR FMS	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384 14,886,646	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722 7,542,879	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662 -7,343,767	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66  **99-00 -71.73 -66.10 -24.39 -49.33	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34 2.49
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 <b>HS 6</b> 300439 321410 330720 390319 300120	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS  POLYSTYRENE NESOI, PR FMS  EXTRACTS OF GLANDS OR OTHER ORGS OR SECRETIONS	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384 14,886,646 4,933,884	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722 7,542,879 397,251	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662 -7,343,767 -4,536,633	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66 <b>%99-00</b> -71.73 -66.10 -24.39 -49.33 -91.95	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34 2.49 3.51
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 <b>HS 6</b> 300439 321410 330720 390319 300120 330710	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS  POLYSTYRENE NESOI, PR FMS  EXTRACTS OF GLANDS OR OTHER ORGS OR SECRETIONS  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384 14,886,646 4,933,884 27,512,484	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722 7,542,879 397,251 23,993,014	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662 -7,343,767 -4,536,633 -3,519,470	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66  %99-00 -71.73 -66.10 -24.39 -49.33 -91.95 -12.79	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34 2.49 3.51 46.85
5 6 7 8 9 10 1 2 3 4 5 6 7	390740 283719 300210 280300 300339 540249 390950 HS 6 300439 321410 330720 390319 300120 330710 390422	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS  POLYSTYRENE NESOI, PR FMS  EXTRACTS OF GLANDS OR OTHER ORGS OR SECRETIONS  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384 14,886,646 4,933,884 27,512,484 9,534,970	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722 7,542,879 397,251 23,993,014 6,092,865	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662 -7,343,767 -4,536,633 -3,519,470 -3,442,105	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66  %99-00 -71.73 -66.10 -24.39 -49.33 -91.95 -12.79 -36.10	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34 2.49 3.51 46.85 3.64
5 6 7 8 9 10	390740 283719 300210 280300 300339 540249 390950 HS 6 300439 321410 330720 390319 300120 330710 390422 284210	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS  POLYSTYRENE NESOI, PR FMS  EXTRACTS OF GLANDS OR OTHER ORGS OR SECRETIONS  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED  DOUBLE OR COMPLEX SILICATES	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384 14,886,646 4,933,884 27,512,484 9,534,970 3,770,720	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722 7,542,879 397,251 23,993,014 6,092,865 911,169	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662 -7,343,767 -4,536,633 -3,519,470 -3,442,105 -2,859,551	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66  **99-00 -71.73 -66.10 -24.39 -49.33 -91.95 -12.79 -36.10 -75.84	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34 2.49 3.51 46.85 3.64 1.81
5 6 7 8 9 10 1 2 3 4 5 6 7	390740 283719 300210 280300 300339 540249 390950 HS 6 300439 321410 330720 390319 300120 330710 390422	CYANIDES AND CYANIDE OXIDES, NESOI  ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS  CARBON, NESOI (INCLUDING CARBON BLACK)  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  SYN FIL YN, NOSEW NORET OTHSING NOV50T YARN NESOI  POLYURETHANES, IN PRIMARY FORMS  TOP 10 LOSSES BY COMMODITY  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  MASTICS; PAINTERS' FILLINGS  PERSONAL DEODORANTS AND ANTIPERSPIRANTS  POLYSTYRENE NESOI, PR FMS  EXTRACTS OF GLANDS OR OTHER ORGS OR SECRETIONS  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED  DOUBLE OR COMPLEX SILICATES  GELATIN & DERIV; ISINGLASS; GLUES, ANIMAL OR NESOI	28,130,376 768,688 89,403,746 3,159,481 3,912,914 8,342,767 12,855,999 135,979,617 13,277,786 35,081,384 14,886,646 4,933,884 27,512,484 9,534,970	46,521,251 17,010,492 101,209,029 14,880,292 15,087,503 16,931,640 20,268,563 2000 38,441,686 4,501,488 26,526,722 7,542,879 397,251 23,993,014 6,092,865	16,241,804 11,805,283 11,720,811 11,174,589 8,588,873 7,412,564 \$Incr 99-00 -97,537,931 -8,776,298 -8,554,662 -7,343,767 -4,536,633 -3,519,470 -3,442,105	65.38 2,112.93 13.20 370.97 285.58 102.95 57.66  %99-00 -71.73 -66.10 -24.39 -49.33 -91.95 -12.79 -36.10	56.50 7.06 8.08 21.94 10.33 6.26 <b>%US</b> 18.95 2.58 18.34 2.49 3.51 46.85 3.64 1.81 12.20

## Massachusetts Exports SIC 28: Chemicals And Allied Products Leading Destinations by \$Value, Growth, and Loss of Shipments 1999-2000

	TOP 20 DESTINATIONS	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL COUNTRIES	1,300,433,969	1,497,011,074	16.31	15.12	196,577,105	1.90
1	FRANCE	172,153,383	243,808,715	69.59	41.62	71,655,332	9.37
2	CANADA	206,540,060	204,489,555	10.08	-0.99	-2,050,505	1.32
3	UNITED KINGDOM	220,953,943	195,522,950	25.56	-11.51	-25,430,993	5.14
4	MEXICO	124,040,606	141,687,120	8.77	14.23	17,646,514	1.74
5	GERMANY	57,273,896	122,792,318	-17.49	114.39	65,518,422	4.81
6	JAPAN	78,992,652	120,477,088	-3.16	52.52	41,484,436	2.03
7	NETHERLANDS	139,328,502	65,790,282	58.81	-52.78	-73,538,220	1.73
8	BRAZIL	34,831,725	39,139,967	-2.89	12.37	4,308,242	1.34
9	BELGIUM	25,291,776	31,804,931	0.77	25.75	6,513,155	0.70
10	HONG KONG	19,090,245	30,174,665	15.47	58.06	11,084,420	2.34
11	SINGAPORE	7,666,217	30,033,738	-18.33	291.77	22,367,521	2.05
12	IRELAND	10,563,459	28,130,915	52.45	166.30	17,567,456	2.45
13	ITALY	23,295,819	26,685,944	28.78	14.55	3,390,125	1.25
14	CHINA (TAIWAN)	14,369,883	23,276,027	12.61	61.98	8,906,144	0.93
15	AUSTRALIA	17,548,800	20,957,906	5.04	19.43	3,409,106	1.24
16	KOREA, REPUBLIC OF	14,887,452	20,019,972	19.43	34.48	5,132,520	0.77
17	ARGENTINA	11,201,907	18,545,350	53.68	65.56	7,343,443	1.69
18	ISRAEL	19,142,416	17,971,191	10.34	-6.12	-1,171,225	4.66
19	AUSTRIA	2,001,028	14,306,571	-27.22	614.96	12,305,543	8.04
20	TURKEY	5,677,193	6,980,148	14.62	22.95	1,302,955	1.95
	TOP 10 GROWTH COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	FRANCE	172,153,383	243,808,715	69.59	41.62	71,655,332	9.37
2	GERMANY	57,273,896	122,792,318	-17.49	114.39	65,518,422	4.81
3	JAPAN	78,992,652	120,477,088	-3.16	52.52	41,484,436	2.03
4	SINGAPORE	7,666,217	30,033,738	-18.33	291.77	22,367,521	2.05
5	MEXICO	124,040,606	141,687,120	8.77	14.23	17,646,514	1.74
6	IRELAND	10,563,459	28,130,915	52.45	166.30	17,567,456	2.45
7	AUSTRIA	2,001,028	14,306,571	-27.22	614.96	12,305,543	8.04
8	HONG KONG	19,090,245	30,174,665	15.47	58.06	11,084,420	2.34
9	CHINA (TAIWAN)	14,369,883	23,276,027	12.61	61.98	8,906,144	0.93
10	ARGENTINA	11,201,907	18,545,350	53.68	65.56	7,343,443	1.69
	TOP 10 LOSSES BY COUNTRY	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	NETHERLANDS	139,328,502	65,790,282	58.81	-52.78	-73,538,220	1.73
2	UNITED KINGDOM	220,953,943	195,522,950	25.56	-11.51	-25,430,993	5.14
3	SWITZERLAND	11,539,970	5,793,646	-60.98	-49.79	-5,746,324	0.47
4	NORWAY	9,939,321	6,708,916	300.71	-32.50	-3,230,405	4.62
5	CANADA	206,540,060	204,489,555	10.08	-0.99	-2,050,505	1.32
6	THAILAND	6,344,862	4,671,565	21.75	-26.37	-1,673,297	0.77
7	POLAND	2,891,758	1,303,836	36.33	-20.3 <i>1</i> -54.91	-1,587,922	1.56
8	ISRAEL	19,142,416	17,971,191	10.34	-6.12	-1,171,225	4.66
9	VENEZUELA	5,497,189	4,727,780	14.23	-14.00	-769,409	0.60
			+.1 Z I . I UU	14.23	- 14.00	-1 UJ.4UJ	0.00
10	FINLAND	2,181,331	1,475,837	27.05	-32.34	-705,494	1.96



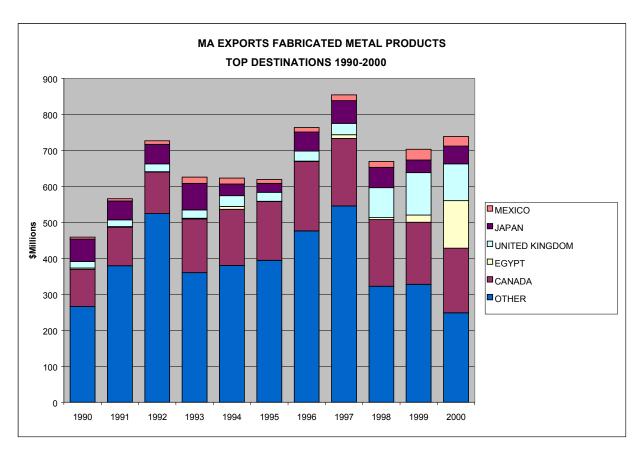


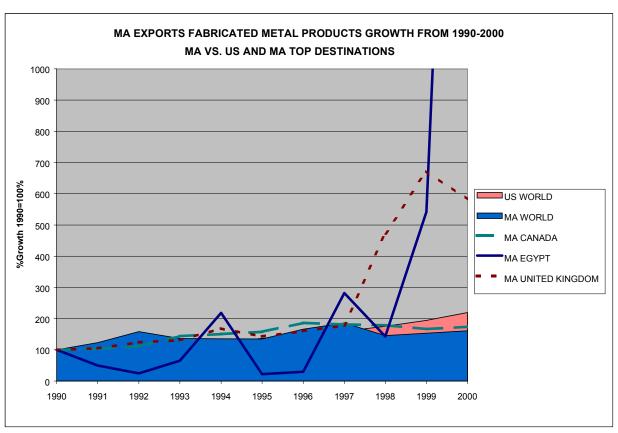
## Massachusetts Exports SIC 34: Fabricated Metal Products Leading Commodities by \$Value, Growth, and Loss of Shipments 1999-2000

-55,115,289 105,225,590 1,147,366 -2,501,614 6,095,638 -2,636,975 1,952,668 939,606 -9,035,332 1,994,750 2,156,289 -359,358	403.91 1.96 -7.08 27.31 -13.44 13.06 6.92 -44.62 26.52	59.14 1.87 41.43 1.85 5.32 0.16
1,147,366 -2,501,614 6,095,638 -2,636,975 1,952,668 939,606 -9,035,332 1,994,750 2,156,289	1.96 -7.08 27.31 -13.44 13.06 6.92 -44.62 26.52	59.14 1.87 41.43 1.85 5.32 0.16 1.26
-2,501,614 6,095,638 -2,636,975 1,952,668 939,606 -9,035,332 1,994,750 2,156,289	-7.08 27.31 -13.44 13.06 6.92 -44.62 26.52	1.87 41.43 1.85 5.32 0.16 1.26
6,095,638 -2,636,975 1,952,668 939,606 -9,035,332 1,994,750 2,156,289	27.31 -13.44 13.06 6.92 -44.62 26.52	41.43 1.85 5.32 0.16 1.26
-2,636,975 1,952,668 939,606 -9,035,332 1,994,750 2,156,289	-13.44 13.06 6.92 -44.62 26.52	1.85 5.32 0.16 1.26
1,952,668 939,606 -9,035,332 1,994,750 2,156,289	13.06 6.92 -44.62 26.52	5.32 0.16 1.26
939,606 -9,035,332 1,994,750 2,156,289	6.92 -44.62 26.52	0.16 1.26
-9,035,332 1,994,750 2,156,289	-44.62 26.52	1.26
1,994,750 2,156,289	26.52	
2,156,289		45.63
	04.40	
-359 358	31.42	0.41
000,000	-3.94	2.83
535,861	7.32	1.33
-2,434,330	-23.97	4.03
-887,502	-10.66	6.37
1,932,855	40.50	1.60
3,052	0.05	2.25
4,638,953	278.67	7.26
5,904,035	30,340.90	7.35
2,287,207	75.99	3.34
		1.58
1,994,750	20.52	45.03
	%99-00	
\$Incr 99-00		%US
\$Incr 99-00 -55 115 289		%US 87 44
-55,115,289	-26.87	87.44
-55,115,289 -15,566,471	-26.87 -94.91	87.44 0.25
-55,115,289 -15,566,471 -9,035,332	-26.87 -94.91 -44.62	87.44 0.25 1.26
-55,115,289 -15,566,471 -9,035,332 -3,252,439	-26.87 -94.91 -44.62 -74.04	87.44 0.25 1.26 1.12
-55,115,289 -15,566,471 -9,035,332 -3,252,439 -2,636,975	-26.87 -94.91 -44.62 -74.04 -13.44	87.44 0.25 1.26 1.12 1.85
-55,115,289 -15,566,471 -9,035,332 -3,252,439 -2,636,975 -2,501,614	-26.87 -94.91 -44.62 -74.04 -13.44 -7.08	87.44 0.25 1.26 1.12 1.85 1.87
-55,115,289 -15,566,471 -9,035,332 -3,252,439 -2,636,975 -2,501,614 -2,434,330	-26.87 -94.91 -44.62 -74.04 -13.44 -7.08 -23.97	87.44 0.25 1.26 1.12 1.85 1.87 4.03
-55,115,289 -15,566,471 -9,035,332 -3,252,439 -2,636,975 -2,501,614	-26.87 -94.91 -44.62 -74.04 -13.44 -7.08 -23.97 -36.56	87.44 0.25 1.26 1.12 1.85 1.87 4.03 4.30
	-887,502 1,932,855 3,052 4,638,953 5,904,035 2,287,207  \$Incr 99-00 105,225,590 6,095,638 5,904,035 4,638,953 4,278,265 2,626,404 2,560,180 2,287,207 2,156,289	-887,502 -10.66 1,932,855 40.50 3,052 0.05 4,638,953 278.67 5,904,035 30,340.90 2,287,207 75.99  \$Incr 99-00 %99-00 105,225,590 403.91 6,095,638 27.31 5,904,035 30,340.90 4,638,953 278.67 4,278,265 1,091.31 2,626,404 3,602.70 2,560,180 7,052.84 2,287,207 75.99 2,156,289 31.42

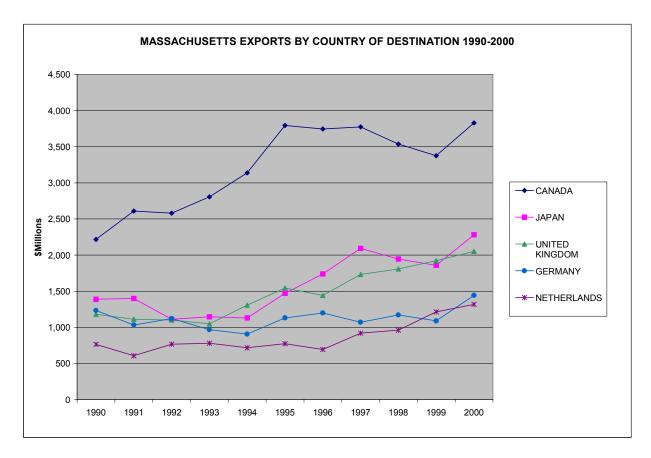
## Massachusetts Exports SIC 34: Fabricated Metal Products Leading Destinations by \$Value, Growth, and Loss of Shipments 1999-2000

	TOP 20 DESTINATIONS	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL COUNTRIES	703,141,259	738,810,992	5.08	5.07	35,669,733	2.84
1	CANADA	172,392,922	179,598,868	-6.89	4.18	7,205,946	1.67
2	EGYPT	20,177,880	131,954,320	278.97	553.96	111,776,440	48.31
3	UNITED KINGDOM	118,015,623	102,158,862	41.94	-13.44	-15,856,761	9.69
4	JAPAN	34,974,148	49,418,953	-38.57	41.30	14,444,805	5.24
5	MEXICO	29,845,614	26,888,624	86.04	-9.91	-2,956,990	0.47
6	BRAZIL	9,519,140	20,423,168	119.11	114.55	10,904,028	9.79
7	BELGIUM	13,177,806	18,223,787	0.50	38.29	5,045,981	8.37
8	HONG KONG	19,846,186	16,305,532	0.18	-17.84	-3,540,654	8.66
9	AUSTRALIA	17,332,511	14,575,927	43.29	-15.90	-2,756,584	4.66
10	GERMANY	21,555,097	13,800,309	-40.58	-35.98	-7,754,788	2.24
11	INDIA	3,751,679	12,602,414	-8.61	235.91	8,850,735	16.50
12	KOREA, REPUBLIC OF	17,679,516	11,847,721	139.07	-32.99	-5,831,795	2.96
13	SINGAPORE	7,410,221	9,768,730	1.63	31.83	2,358,509	2.88
14	CHINA (MAINLAND)	14,284,456	9,001,448	104.00	-36.98	-5,283,008	2.74
15	GREECE	1,270,575	8,852,017	137.48	596.69	7,581,442	3.34
16	FRANCE	16,105,660	8,664,889	10.33	-46.20	-7,440,771	2.54
17	NETHERLANDS	11,529,357	8,000,131	-33.39	-30.61	-3,529,226	4.00
18	MALAYSIA	22,734,992	5,945,422	255.21	-73.85	-16,789,570	4.21
19	UNITED ARAB EMIRATES	12,554,246	5,682,431	179.61	-54.74	-6,871,815	7.80
20	LUXEMBOURG	1,105,417	5,657,379	-22.24	411.79	4,551,962	31.71
	TOP 10 GROWTH COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	EGYPT	20,177,880	131,954,320	278.97	553.96	111,776,440	48.31
1	EGYPT JAPAN	20,177,880 34,974,148	131,954,320 49,418,953	-38.57	41.30	111,776,440 14,444,805	5.24
2	JAPAN	34,974,148	49,418,953	-38.57	41.30	14,444,805	5.24
2	JAPAN BRAZIL	34,974,148 9,519,140	49,418,953 20,423,168	-38.57 119.11	41.30 114.55	14,444,805 10,904,028	5.24 9.79
2 3 4	Japan Brazil India	34,974,148 9,519,140 3,751,679	49,418,953 20,423,168 12,602,414	-38.57 119.11 -8.61	41.30 114.55 235.91	14,444,805 10,904,028 8,850,735	5.24 9.79 16.50
2 3 4 5	JAPAN BRAZIL INDIA GREECE	34,974,148 9,519,140 3,751,679 1,270,575	49,418,953 20,423,168 12,602,414 8,852,017	-38.57 119.11 -8.61 137.48	41.30 114.55 235.91 596.69	14,444,805 10,904,028 8,850,735 7,581,442	5.24 9.79 16.50 3.34
2 3 4 5 6	JAPAN BRAZIL INDIA GREECE CANADA	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868	-38.57 119.11 -8.61 137.48 -6.89	41.30 114.55 235.91 596.69 4.18 38.29 411.79	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946	5.24 9.79 16.50 3.34 1.67
2 3 4 5 6 7	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124	-38.57 119.11 -8.61 137.48 -6.89 0.50	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981	5.24 9.79 16.50 3.34 1.67 8.37
2 3 4 5 6 7 8	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24	41.30 114.55 235.91 596.69 4.18 38.29 411.79	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962	5.24 9.79 16.50 3.34 1.67 8.37 31.71
2 3 4 5 6 7 8 9	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98
2 3 4 5 6 7 8 9	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 **98-99 1,137.07	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21 9.69
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM CHINA (TAIWAN)	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623 16,972,576	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862 5,178,444	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94 -59.63	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44 -69.49	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761 -11,794,132	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21 9.69 1.00
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM CHINA (TAIWAN) TURKEY	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623 16,972,576 11,582,252	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862 5,178,444 2,026,451	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94 -59.63 40.22	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44 -69.49 -82.50	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761 -11,794,132 -9,555,801	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 <b>**US</b> 1.27 4.21 9.69 1.00 3.44
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM CHINA (TAIWAN) TURKEY GERMANY	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623 16,972,576 11,582,252 21,555,097	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862 5,178,444 2,026,451 13,800,309	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94 -59.63 40.22 -40.58	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44 -69.49 -82.50 -35.98	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761 -11,794,132 -9,555,801 -7,754,788	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21 9.69 1.00 3.44 2.24
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM CHINA (TAIWAN) TURKEY GERMANY FRANCE	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623 16,972,576 11,582,252 21,555,097 16,105,660	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862 5,178,444 2,026,451 13,800,309 8,664,889	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94 -59.63 40.22 -40.58 10.33	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44 -69.49 -82.50 -35.98 -46.20	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761 -11,794,132 -9,555,801 -7,754,788 -7,440,771	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21 9.69 1.00 3.44 2.24 2.54
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM CHINA (TAIWAN) TURKEY GERMANY FRANCE UNITED ARAB EMIRATES	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623 16,972,576 11,582,252 21,555,097 16,105,660 12,554,246	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862 5,178,444 2,026,451 13,800,309 8,664,889 5,682,431	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94 -59.63 40.22 -40.58 10.33 179.61	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44 -69.49 -82.50 -35.98 -46.20 -54.74	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761 -11,794,132 -9,555,801 -7,754,788 -7,440,771 -6,871,815	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21 9.69 1.00 3.44 2.24 2.54 7.80
2 3 4 5 6 7 8 9 10	JAPAN BRAZIL INDIA GREECE CANADA BELGIUM LUXEMBOURG SWEDEN SPAIN  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA MALAYSIA UNITED KINGDOM CHINA (TAIWAN) TURKEY GERMANY FRANCE	34,974,148 9,519,140 3,751,679 1,270,575 172,392,922 13,177,806 1,105,417 548,383 2,488,473 1999 21,500,498 22,734,992 118,015,623 16,972,576 11,582,252 21,555,097 16,105,660	49,418,953 20,423,168 12,602,414 8,852,017 179,598,868 18,223,787 5,657,379 3,179,124 5,053,083 2000 2,030,462 5,945,422 102,158,862 5,178,444 2,026,451 13,800,309 8,664,889	-38.57 119.11 -8.61 137.48 -6.89 0.50 -22.24 -68.47 -32.12 <b>%98-99</b> 1,137.07 255.21 41.94 -59.63 40.22 -40.58 10.33	41.30 114.55 235.91 596.69 4.18 38.29 411.79 479.73 103.06 <b>%99-00</b> -90.56 -73.85 -13.44 -69.49 -82.50 -35.98 -46.20	14,444,805 10,904,028 8,850,735 7,581,442 7,205,946 5,045,981 4,551,962 2,630,741 2,564,610 \$Incr 99-00 -19,470,036 -16,789,570 -15,856,761 -11,794,132 -9,555,801 -7,754,788 -7,440,771	5.24 9.79 16.50 3.34 1.67 8.37 31.71 3.86 4.98 **US 1.27 4.21 9.69 1.00 3.44 2.24 2.54





### IV. MAJOR DESTINATIONS FOR MASSACHUSETTS EXPORTS



Canada remains by far the premier destination for Bay State exports in the year 2000. However, export growth over the decade to each of the state's five leading destinations, including Canada, Japan, United Kingdom, Germany, and Netherlands, was well below Massachusetts' average rate of growth to the world. Massachusetts' exports expanded much more quickly in developing markets in Mexico and other Latin American countries, Asia, and Eastern Europe. (See table 5 page 60.) Of the top five markets, all but Canada are countries of specialization for Massachusetts. (Since MA exports 2.83% of total US exports to the world, any country with a share greater than 2.83% can be considered a country of specialization for the state.)

**Table 4** shows export growth and share of US exports for Massachusetts' leading destinations in the year 2000. Exports rebounded in both Canada and Japan after two years of decline and also made a very strong comeback in Germany after a decline in 1999. Massachusetts' markets of greatest specialization include Ireland (MA ships 8.9% of the US total), Netherlands (6%), France (5.4%), Philippines (5.1%), United Kingdom (4.9%), and Germany (4.9%). In the year 2000 Canada, Taiwan, Korea, and Japan had the largest increases in imports from Massachusetts, while Saudi Arabia, Finland, and Belgium had the largest decreases.

Table 4
Massachusetts Exports by Country of Destination 1999-2000
Leading Destinations by \$Value, Growth, Loss of Shipments

	TOP 20 COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL COUNTRIES	18,190,114,782	22,061,446,586	5.81	21.28	3,871,331,804	2.83
1	CANADA	3,376,074,785	3,829,476,382	-4.57	13.43	453,401,597	2.17
2	JAPAN	1,858,795,221	2,281,393,868	-4.46	22.74	422,598,647	3.50
3	UNITED KINGDOM	1,921,447,260	2,052,721,106	6.24	6.83	131,273,846	4.94
4	GERMANY	1,089,427,404	1,442,274,766	-7.04	32.39	352,847,362	4.93
5	NETHERLANDS	1,214,536,978	1,318,605,886	26.46	8.57	104,068,908	6.00
6	CHINA (TAIWAN)	705,924,658	1,142,767,316	19.75	61.88	436,842,658	4.69
7	FRANCE	818,474,011	1,089,457,617	17.54	33.11	270,983,606	5.38
8	KOREA, REPUBLIC OF	538,723,209	974,977,609	46.18	80.98	436,254,400	3.49
9	MEXICO	679,304,868	763,000,508	31.60	12.32	83,695,640	0.68
10	SINGAPORE	593,702,457	746,438,434	35.14	25.73	152,735,977	4.19
11	IRELAND	497,905,552	690,699,235	21.04	38.72	192,793,683	8.94
	CHINA (MAINLAND)	365,942,260	537,160,493	15.42	46.79	171,218,233	3.30
13	HONG KONG	402,505,334	524,766,468	-7.48	30.38	122,261,134	3.59
14	PHILIPPINES	260,076,456	451,080,517	-15.12	73.44	191,004,061	5.13
	ITALY	389,026,119	446,198,483	6.61	14.70	57,172,364	4.06
16	MALAYSIA	264,290,531	420,222,081	47.81	59.00	155,931,550	3.82
17	BRAZIL	244,817,683	318,536,674	9.71	30.11	73,718,991	2.07
18	BELGIUM	337,042,860	314,984,754	6.41	-6.54	-22,058,106	2.26
19	ISRAEL	231,454,745	284,170,940	20.63	22.78	52,716,195	3.67
20	AUSTRALIA	293,123,963	275,779,648	3.11	-5.92	-17,344,315	2.21
		_00,:_0,000	0, 0,0 .0	•	0.02	,,	
	TOP 10 GROWTH COUNTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
1	CANADA	3,376,074,785	3,829,476,382	-4.57	13.43	453,401,597	2.17
2	CHINA (TAIWAN)	705,924,658	1,142,767,316	19.75	61.88	436,842,658	4.69
3							
-	KOREA, REPUBLIC OF	538,723,209	974,977,609	46.18	80.98	436,254,400	3.49
4	KOREA, REPUBLIC OF JAPAN	538,723,209 1,858,795,221	974,977,609 2,281,393,868	46.18 -4.46		436,254,400 422,598,647	3.49 3.50
					80.98		
4	JAPAN	1,858,795,221	2,281,393,868	-4.46	80.98 22.74	422,598,647	3.50
4 5	JAPAN GERMANY	1,858,795,221 1,089,427,404	2,281,393,868 1,442,274,766	-4.46 -7.04	80.98 22.74 32.39	422,598,647 352,847,362	3.50 4.93
4 5 6	JAPAN GERMANY FRANCE	1,858,795,221 1,089,427,404 818,474,011	2,281,393,868 1,442,274,766 1,089,457,617	-4.46 -7.04 17.54	80.98 22.74 32.39 33.11	422,598,647 352,847,362 270,983,606	3.50 4.93 5.38
4 5 6 7	JAPAN GERMANY FRANCE IRELAND	1,858,795,221 1,089,427,404 818,474,011 497,905,552	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235	-4.46 -7.04 17.54 21.04	80.98 22.74 32.39 33.11 38.72	422,598,647 352,847,362 270,983,606 192,793,683	3.50 4.93 5.38 8.94
4 5 6 7 8 9	JAPAN GERMANY FRANCE IRELAND PHILIPPINES	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517	-4.46 -7.04 17.54 21.04 -15.12	80.98 22.74 32.39 33.11 38.72 73.44	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061	3.50 4.93 5.38 8.94 5.13
4 5 6 7 8 9	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND)	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493	-4.46 -7.04 17.54 21.04 -15.12 15.42	80.98 22.74 32.39 33.11 38.72 73.44 46.79	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233	3.50 4.93 5.38 8.94 5.13 3.30
4 5 6 7 8 9	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND)	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493	-4.46 -7.04 17.54 21.04 -15.12 15.42	80.98 22.74 32.39 33.11 38.72 73.44 46.79	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233	3.50 4.93 5.38 8.94 5.13 3.30
4 5 6 7 8 9	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550	3.50 4.93 5.38 8.94 5.13 3.30 3.82
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00	3.50 4.93 5.38 8.94 5.13 3.30 3.82
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531 1999	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 <b>%99-00</b> -71.99	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628	3.50 4.93 5.38 8.94 5.13 3.30 3.82 <b>%US</b> 0.54
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA FINLAND	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531  1999 119,016,972 110,934,597	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344 60,937,901	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97 -26.90	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 **99-00 -71.99 -45.07	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628 -49,996,696	3.50 4.93 5.38 8.94 5.13 3.30 3.82 <b>%US</b> 0.54 3.88
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA FINLAND BELGIUM	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531  1999 119,016,972 110,934,597 337,042,860	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344 60,937,901 314,984,754	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97 -26.90 6.41	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 <b>%99-00</b> -71.99 -45.07 -6.54	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628 -49,996,696 -22,058,106	3.50 4.93 5.38 8.94 5.13 3.30 3.82 <b>%US</b> 0.54 3.88 2.26
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA FINLAND BELGIUM REPUBLIC OF SOUTH AFRICA	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531  1999 119,016,972 110,934,597 337,042,860 63,454,132	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344 60,937,901 314,984,754 46,072,354	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97 -26.90 6.41 4.17	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 **99-00 -71.99 -45.07 -6.54 -27.39	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628 -49,996,696 -22,058,106 -17,381,778	3.50 4.93 5.38 8.94 5.13 3.30 3.82 <b>%US</b> 0.54 3.88 2.26 1.49
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA FINLAND BELGIUM REPUBLIC OF SOUTH AFRICA AUSTRALIA	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531  1999 119,016,972 110,934,597 337,042,860 63,454,132 293,123,963	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344 60,937,901 314,984,754 46,072,354 275,779,648	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97 -26.90 6.41 4.17 3.11	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 -71.99 -45.07 -6.54 -27.39 -5.92	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628 -49,996,696 -22,058,106 -17,381,778 -17,344,315	3.50 4.93 5.38 8.94 5.13 3.30 3.82 %US 0.54 3.88 2.26 1.49 2.21
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA FINLAND BELGIUM REPUBLIC OF SOUTH AFRICA AUSTRALIA HONDURAS	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531  1999 119,016,972 110,934,597 337,042,860 63,454,132 293,123,963 14,035,363	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344 60,937,901 314,984,754 46,072,354 275,779,648 2,226,547	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97 -26.90 6.41 4.17 3.11 -31.73	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 -71.99 -45.07 -6.54 -27.39 -5.92 -84.14	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628 -49,996,696 -22,058,106 -17,381,778 -17,344,315 -11,808,816	3.50 4.93 5.38 8.94 5.13 3.30 3.82 <b>%US</b> 0.54 3.88 2.26 1.49 2.21 0.09
4 5 6 7 8 9 10	JAPAN GERMANY FRANCE IRELAND PHILIPPINES CHINA (MAINLAND) MALAYSIA  TOP 10 LOSSES BY COUNTRY SAUDI ARABIA FINLAND BELGIUM REPUBLIC OF SOUTH AFRICA AUSTRALIA HONDURAS BRUNEI	1,858,795,221 1,089,427,404 818,474,011 497,905,552 260,076,456 365,942,260 264,290,531  1999 119,016,972 110,934,597 337,042,860 63,454,132 293,123,963 14,035,363 11,326,166	2,281,393,868 1,442,274,766 1,089,457,617 690,699,235 451,080,517 537,160,493 420,222,081 2000 33,334,344 60,937,901 314,984,754 46,072,354 275,779,648 2,226,547 812,680	-4.46 -7.04 17.54 21.04 -15.12 15.42 47.81 <b>%98-99</b> 98.97 -26.90 6.41 4.17 3.11 -31.73 1,619.21	80.98 22.74 32.39 33.11 38.72 73.44 46.79 59.00 -71.99 -45.07 -6.54 -27.39 -5.92 -84.14 -92.82	422,598,647 352,847,362 270,983,606 192,793,683 191,004,061 171,218,233 155,931,550 \$Incr 99-00 -85,682,628 -49,996,696 -22,058,106 -17,381,778 -17,344,315 -11,808,816 -10,513,486	3.50 4.93 5.38 8.94 5.13 3.30 3.82 <b>%US</b> 0.54 3.88 2.26 1.49 2.21 0.09 0.52

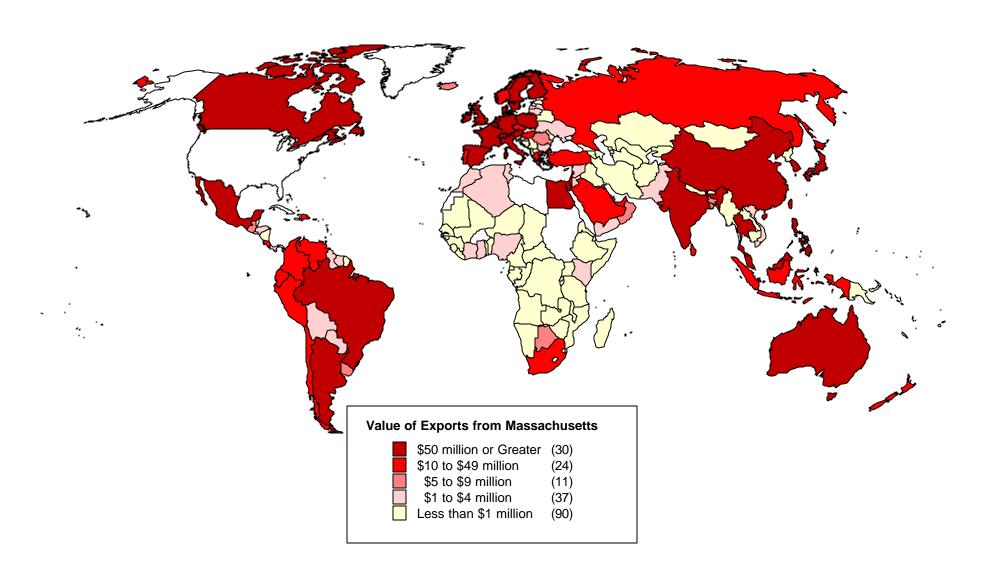
#### MAPS

• Massachusetts Exports: Annual 2000

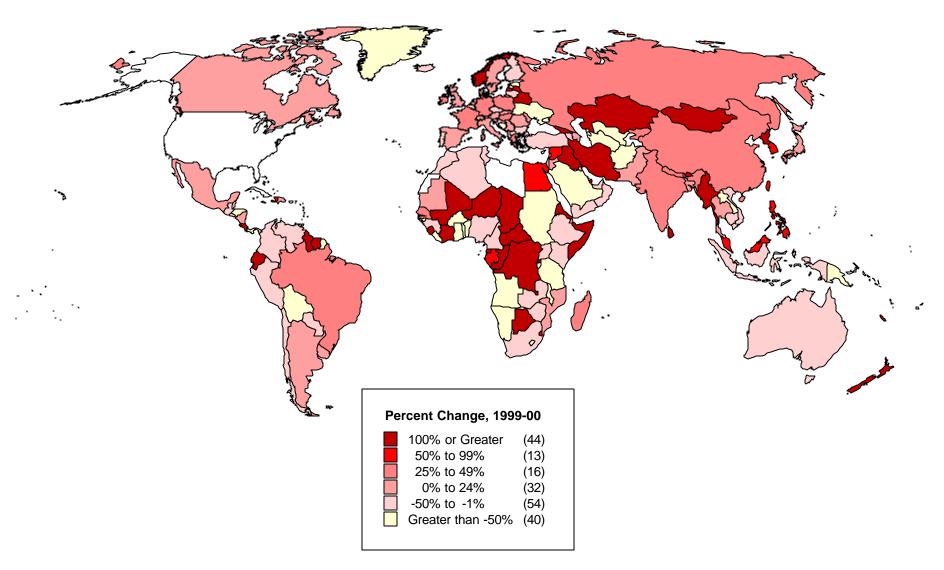
• Massachusetts Exports: Percent Change 1999-2000

The following maps further identify countries and regions of strength and weakness for Massachusetts. While it is easy for countries with small import volumes to grow quickly, several regions stand out with numerous fast growing countries and there are several countries that have both shipments over \$5 million and high growth rates. Among Latin American countries, Costa Rica and Ecuador had imports over \$5 million and growth over 50%, while Brazil had growth over 25% and Dominican Republic had 24% growth. Luxembourg was the only country with imports over \$5 million and growth over 50% in Western Europe. Ireland, Greece, France, and Germany sustained growth over 25%. In the Eastern European market, Poland, Russia, and Hungary had shipments over \$5 million and growth over 25%. In Asia, Taiwan, Korea, Philippines, Malaysia, Sri Lanka, and Qatar all had increases over 50% in 2000, while Singapore, China, Hong Kong, and India had growth over 25%. Many countries in Africa had large growth rates, but of those countries only Egypt and Botswana had shipments over \$5 million.

## **Massachusetts Exports: Annual 2000**



## **Massachusetts Exports: Percent Change 1999-2000**



## **Massachusetts's Top 5 Export Destinations**

- Canada
- Japan
- United Kingdom
- Germany
- Netherlands

#### Overview

The following tables and graphs show additional details about Massachusetts's exports to it leading destinations. There are four charts and two tables for each industry. The stacked bar chart shows changes in the relative shares of the top industries for each country from 1990-2000, as well as total performance over the decade since the stacked segments sum to the state export total. The line chart compares MA and US total export growth to the countries from 1990-2000, as well as MA growth in each of its top three industries to the countries. The first table shows the top 20 industries and top 10 growth and loss industries to the countries. The second and third tables provide the leading commodity components of the industries in the first table. The fourth table shows top 20 and top 10 growth and loss commodities overall to the countries. Highlights of the detailed tables and graphs are presented below.

### Canada

After two years of decline, Massachusetts' exports to Canada grew 13.4% to \$3.8 billion, regaining and surpassing peak 1995-1997 levels of shipments. Exports of MA's two leading industries to Canada, industrial machinery and computers and electronics, declined from 1996-1999. In the year 2000 the overall increase to Canada was due in large measure to a \$320 million (51%) increase in electronic and electric equipment. For the first time electronics surpassed machinery and computers as the leading MA export to Canada. There was also strong growth in instruments and paper shipments. The gains outweighed substantial declines in printing and publishing and special classifications (software).

Turbojets of a thrust over 25 knots, integrated circuits, computer parts and accessories, and computers were the leading exports to Canada in 2000. The largest gains occurred primarily in electronics products including integrated circuits, semiconductor devices, tantalum electrolytic fixed capacitors, and parts for line telephony. Printed books and brochures, computer storage units nesoi, and other record media nesoi (software) had the largest losses.

## Japan

Massachusetts' exports to Japan also rebounded from a two-year decline in 2000. Growing at a rapid 22.7% pace, exports passed the \$2 billion mark again, reaching \$2.3 billion in total shipments. MA growth to Japan fell below national growth from 1992-1996, but surpassed the US pace thereafter. Massachusetts ships nearly equal amounts machinery and computers, instruments, and electronics, its three leading industries, to Japan. Over the past decade, growth in electronics and instruments was much stronger

than growth in machinery and computers. In the year 2000 electronics, machinery and computers, instruments, and chemicals had the largest export increases. Leather, fishing, and transportation equipment had the largest losses.

Medical needles nesoi and catheters, parts of electrical apparatus for line telephony, computer parts and accessories, laptop computers, and electronic monolithic integrated circuits nesoi were the leading Massachusetts commodities shipped to Japan in the year 2000. There was a substantial net expansion in exports of telecommunications related products and different varieties of integrated circuits. Computer parts had by far the largest decline of any commodity (-42%). Medical instruments, including ultrasonic scanning apparatus, needles and catheters, and surgical instruments, also sustained large losses.

## **United Kingdom**

Massachusetts' exports to United Kingdom continued to expand at a moderate 6.8% pace, for the first time reaching sales of \$2 billion. Throughout the past decade Massachusetts' rate of increase in exports to UK nearly matched the US rate. MA increases in electronics were especially high beginning in 1994. In the year 2000 industrial machinery and computers, electronics, instruments, chemicals, and fabricated metals were the leading MA exports to UK. Electronics, machinery and computers, instruments had the largest export increases. There was also a significant increase in shipments of "used or second-hand merchandise", including paintings, drawings, and pastels by hand, and a large increase in primary metals, including non-monetary, unwrought gold. Chemicals, food products, and fabricated metals had the largest losses.

Computer parts and accessories, medicine for retail sale, metal oxide semiconductors, and razors were the leading Massachusetts commodities shipped in 2000. The largest export increases occurred in tantalum electrolytic fixed capacitors, gold, and paintings. There were also substantial gains in medical equipment, including electro-diagnostic apparatus and orthopedic or fracture apparatus, and in photographic film, and computer equipment. The largest losses were in medicine for retail sale, non-alcoholic beverages nesoi (non-concentrated, vitamin fortified fruit juice), computer parts, and unwrought silver.

## Germany

In the year 2000 Massachusetts exports to Germany soared 32% in 2000 to reach \$1.4 billion in total shipments. From 1990-2000 MA's sales growth to Germany fell increasingly below national levels. Electronics shipments declined steadily from 1990-1993, but increased rapidly thereafter, surpassing machinery and computers as the leading export to Germany in 1999. Machinery and computers shipments actually declined slightly over the decade. Instruments expanded slowly and steadily throughout the 1990s and matched the value of shipments of both electronics and machinery/computers from 1995-1998, before electronics began its major upswing in 1999. The next largest industries, chemicals and primary metals, produced very little growth until 1999 and 2000. In the year 2000, shipments increased dramatically in all the top five industries except instruments. Chemicals shipments more than doubled.

Parts of electrical apparatus for line telephony was by far Massachusetts' leading and largest growth commodity shipped to Germany in 2000. However, the other leading components of growth in electronics were more consumer electronics oriented, including audio-frequency electric amplifiers, multiple loudspeakers, mounted in the same enclosure, and loudspeakers nesoi. Particle accelerators for semiconductors, vaccines for human medicine, flat-rolled, cold-rolled stainless steel, and instruments to check semiconductor wafers led growth in machinery/computers, chemicals, primary metals, and instruments. The largest losses occurred in electro-diagnostic apparatus, instruments for measuring liquid flows, magnetic tape, and parts of machine tools for wood working.

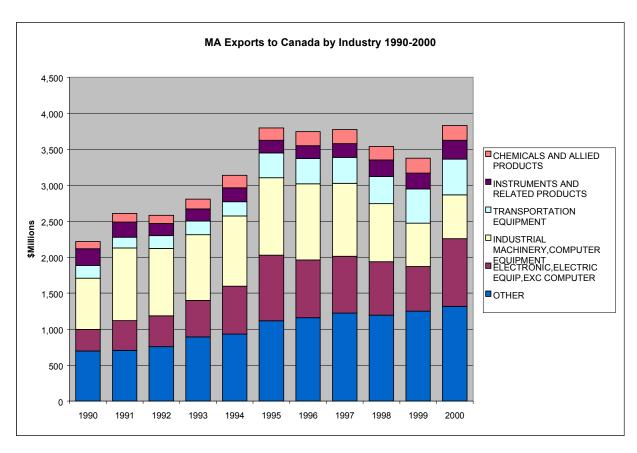
### Netherlands

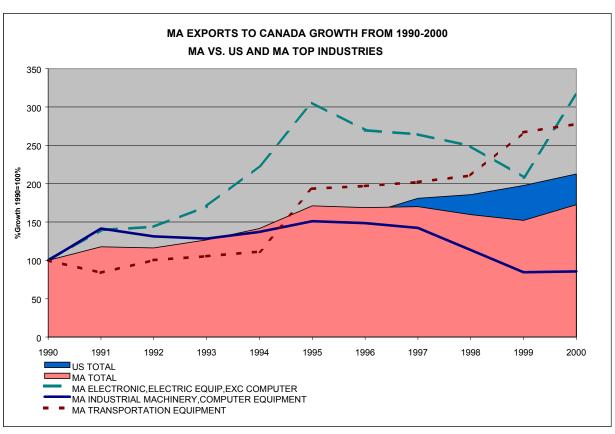
Massachusetts exports to Netherlands increased 8.5% to \$1.3 billion in 2000. Massachusetts growth in sales to Netherlands dropped below the national pace from 1994-1998, but exceeded the national rate by 1999 and 2000 thanks to huge increases in electronics and instruments exports. Shipments of paper and chemicals, MA's next largest exports to Netherlands, expanded very rapidly after mid-decade. In the year 2000 MA exports to Netherlands were comprised of 38% electronics, 33% instruments, 9% machinery and computers, and 20% all other industries. The largest annual increases by value occurred in electronics, instruments, and paper. Used and second-hand merchandise, including paintings, grew 765% and food products, including non-alcoholic beverages nesoi (non-concentrated, vitamin fortified fruit juice) and prepared fruit nesoi (possibly dried cranberries) grew 262%.

Parts of electrical apparatus for line telephony was in Netherlands, as in Germany, Massachusetts' leading and largest growth commodity shipped in 2000. The next largest increases occurred in medical needles nesoi and catheters, photo film without sprocket holes, and paper not over 10% weight of fibers obtained by mechanical process nesoi. Massachusetts is the leading exporter of, and Netherlands is Massachusetts primary market for, two varieties of this specialty paper of mechanical fibers not over 10% weight. Hormones, computer parts, parts and accessories for still photo cameras, and non-cellular, non-reinforced plastic plates and sheets of polyesters sustained Massachusetts' largest decreases in shipments to Netherlands.

# Massachusetts Exports to Canada by Industry 1999-2000 Leading Industries by \$Value, Growth, Loss of Shipments

RANK	TOP 20 INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL INDUSTRIES	3,376,074,785	3,829,476,382	-4.57	13.43	453,401,597	2.17
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	620,476,981	940,736,627	-16.33	51.62	320,259,646	3.87
2	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	603,079,932	608,638,721	-25.40	0.92	5,558,789	2.07
3	TRANSPORTATION EQUIPMENT	475,375,993	494,666,682	26.75	4.06	19,290,689	1.21
4	INSTRUMENTS AND RELATED PRODUCTS	221,084,463	263,913,798	-3.98	19.37	42,829,335	3.68
5	CHEMICALS AND ALLIED PRODUCTS	206,540,060	204,489,555	10.08	-0.99	-2,050,505	1.32
6	PAPER AND ALLIED PRODUCTS	166,391,923	190,201,824	-2.71	14.31	23,809,901	4.57
7	FABRICATED METAL PRODUCTS	172,392,922	179,598,868	-6.89	4.18	7,205,946	1.67
8	RUBBER AND MISC. PLASTICS PRODUCTS	109,967,968	132,637,220	14.21	20.61	22,669,252	2.25
9	MISC. MANUFACTURING INDUSTRIES	108,629,532	116,584,667	37.86	7.32	7,955,135	5.13
10	TEXTILE MILL PRODUCTS	101,180,297	105,796,784	-14.78	4.56	4,616,487	4.98
11	PRIMARY METAL INDUSTRIES	88,554,960	102,798,909	-6.00	16.08	14,243,949	1.47
12	FOOD AND KINDRED PRODUCTS	77,109,687	80,302,210	2.83	4.14	3,192,523	1.53
13	FISHING, HUNTING, AND TRAPPING	59,113,898	63,859,854	12.40	8.03	4,745,956	11.40
14	SPECIAL CLASSIFICATION PROVISIONS, NSPF	78,131,932	62,999,302	726.14	-19.37	-15,132,630	3.71
15	CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN	36,050,304	52,962,116	-23.35	46.91	16,911,812	2.78
16	SCRAP AND WASTE	44,043,957	47,178,425	-3.14	7.12	3,134,468	4.25
17	PRINTING AND PUBLISHING	73,496,151	45,405,271	0.98	-38.22	-28,090,880	2.07
18	FURNITURE AND FIXTURES	37,146,364	35,366,148	27.67	-4.79	-1,780,216	2.95
19	STONE, CLAY, AND GLASS PRODUCTS	28,869,429	25,821,932	7.92	-10.56	-3,047,497	0.93
20	LUMBER AND WOOD PRODUCTS	16,694,511	18,244,096	21.25	9.28	1,549,585	0.91
DANK	TOP 10 GROWTH INDUSTRIES	4000	2000	%98-99	9/00 00	¢lmar 00 00	0/110
KANN		1999	<b>/</b> UUU		7099-UU	SINCE 99-UU	%US
		<b>1999</b> 620,476,981	<b>2000</b> 940,736,627		<b>%99-00</b> 51.62	\$Incr 99-00 320,259,646	%US 3.87
1	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER	620,476,981	940,736,627	-16.33	51.62	320,259,646	3.87
1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS	620,476,981 221,084,463	940,736,627 263,913,798	-16.33 -3.98	51.62 19.37	320,259,646 42,829,335	3.87 3.68
1 2 3	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS	620,476,981 221,084,463 166,391,923	940,736,627 263,913,798 190,201,824	-16.33 -3.98 -2.71	51.62 19.37 14.31	320,259,646 42,829,335 23,809,901	3.87 3.68 4.57
1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS	620,476,981 221,084,463 166,391,923 109,967,968	940,736,627 263,913,798 190,201,824 132,637,220	-16.33 -3.98 -2.71 14.21	51.62 19.37 14.31 20.61	320,259,646 42,829,335 23,809,901 22,669,252	3.87 3.68 4.57 2.25
1 2 3 4	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682	-16.33 -3.98 -2.71 14.21 26.75	51.62 19.37 14.31 20.61 4.06	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689	3.87 3.68 4.57 2.25 1.21
1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116	-16.33 -3.98 -2.71 14.21 26.75 -23.35	51.62 19.37 14.31 20.61 4.06 46.91	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812	3.87 3.68 4.57 2.25 1.21 2.78
1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00	51.62 19.37 14.31 20.61 4.06	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949	3.87 3.68 4.57 2.25 1.21 2.78 1.47
1 2 3 4 5 6 7	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13
1 2 3 4 5 6 7 8	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00	51.62 19.37 14.31 20.61 4.06 46.91 16.08	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949	3.87 3.68 4.57 2.25 1.21 2.78 1.47
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07
1 2 3 4 5 6 7 8 9 10 RANK	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07
1 2 3 4 5 6 7 8 9 10 RANK	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932 1999 73,496,151	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$Incr 99-00 -28,090,880	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932 1999 73,496,151 78,131,932	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 %99-00 -38.22 -19.37	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789 \$Incr 99-00 -28,090,880 -15,132,630	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07 <b>%US</b> 2.07 3.71
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$Incr 99-00 -28,090,880 -15,132,630 -3,047,497	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07 %US 2.07 3.71 0.93
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS CHEMICALS AND ALLIED PRODUCTS	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429 206,540,060	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932 204,489,555	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92 10.08	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56 -0.99	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$Incr 99-00 -28,090,880 -15,132,630 -3,047,497 -2,050,505	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07 <b>%US</b> 2.07 3.71 0.93 1.32
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS CHEMICALS AND ALLIED PRODUCTS FURNITURE AND FIXTURES	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429 206,540,060 37,146,364	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932 204,489,555 35,366,148	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92 10.08 27.67	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56 -0.99 -4.79	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$Incr 99-00 -28,090,880 -15,132,630 -3,047,497 -2,050,505 -1,780,216	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07  **US 2.07 3.71 0.93 1.32 2.95
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS CHEMICALS AND ALLIED PRODUCTS FURNITURE AND FIXTURES APPAREL AND OTHER TEXTILE PRODUCTS	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429 206,540,060 37,146,364 12,413,569	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932 204,489,555 35,366,148 11,180,083	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92 10.08 27.67 -40.20	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56 -0.99 -4.79 -9.94	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$Incr 99-00 -28,090,880 -15,132,630 -3,047,497 -2,050,505 -1,780,216 -1,233,486	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07  **US 2.07 3.71 0.93 1.32 2.95 0.87
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS CHEMICALS AND ALLIED PRODUCTS FURNITURE AND FIXTURES APPAREL AND OTHER TEXTILE PRODUCTS AGRICULTURAL PRODUCTION-LIVESTOCK	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429 206,540,060 37,146,364 12,413,569 2,513,379	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932 204,489,555 35,366,148 11,180,083 1,764,334	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92 10.08 27.67 -40.20 -35.04	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56 -0.99 -4.79 -9.94 -29.80	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$incr 99-00 -28,090,880 -15,132,630 -3,047,497 -2,050,505 -1,780,216 -1,233,486 -749,045	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07 **US 2.07 3.71 0.93 1.32 2.95 0.87 0.47
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS CHEMICALS AND ALLIED PRODUCTS FURNITURE AND FIXTURES APPAREL AND OTHER TEXTILE PRODUCTS AGRICULTURAL PRODUCTION-LIVESTOCK FORESTRY	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429 206,540,060 37,146,364 12,413,569 2,513,379 2,370,276	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932 204,489,555 35,366,148 11,180,083 1,764,334 2,028,625	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92 10.08 27.67 -40.20 -35.04 36.46	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56 -0.99 -4.79 -9.94 -29.80 -14.41	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$Incr 99-00 -28,090,880 -15,132,630 -3,047,497 -2,050,505 -1,780,216 -1,233,486 -749,045 -341,651	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07  **US 2.07 3.71 0.93 1.32 2.95 0.87 0.47 4.02
1 2 3 4 5 6 7 8 9 10 RANK 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS RUBBER AND MISC. PLASTICS PRODUCTS TRANSPORTATION EQUIPMENT CANADIAN, NON-CANADIAN GOODS RET'ND TO CAN PRIMARY METAL INDUSTRIES MISC. MANUFACTURING INDUSTRIES FABRICATED METAL PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  TOP 10 LOSSES BY INDUSTRY PRINTING AND PUBLISHING SPECIAL CLASSIFICATION PROVISIONS, NSPF STONE, CLAY, AND GLASS PRODUCTS CHEMICALS AND ALLIED PRODUCTS FURNITURE AND FIXTURES APPAREL AND OTHER TEXTILE PRODUCTS AGRICULTURAL PRODUCTION-LIVESTOCK	620,476,981 221,084,463 166,391,923 109,967,968 475,375,993 36,050,304 88,554,960 108,629,532 172,392,922 603,079,932  1999 73,496,151 78,131,932 28,869,429 206,540,060 37,146,364 12,413,569 2,513,379	940,736,627 263,913,798 190,201,824 132,637,220 494,666,682 52,962,116 102,798,909 116,584,667 179,598,868 608,638,721 2000 45,405,271 62,999,302 25,821,932 204,489,555 35,366,148 11,180,083 1,764,334	-16.33 -3.98 -2.71 14.21 26.75 -23.35 -6.00 37.86 -6.89 -25.40  %98-99 0.98 726.14 7.92 10.08 27.67 -40.20 -35.04	51.62 19.37 14.31 20.61 4.06 46.91 16.08 7.32 4.18 0.92 **99-00 -38.22 -19.37 -10.56 -0.99 -4.79 -9.94 -29.80	320,259,646 42,829,335 23,809,901 22,669,252 19,290,689 16,911,812 14,243,949 7,955,135 7,205,946 5,558,789  \$incr 99-00 -28,090,880 -15,132,630 -3,047,497 -2,050,505 -1,780,216 -1,233,486 -749,045	3.87 3.68 4.57 2.25 1.21 2.78 1.47 5.13 1.67 2.07 **US 2.07 3.71 0.93 1.32 2.95 0.87 0.47





# MA Export Industries to Canada by Leading Commodity Components Top 10 Industries Sorted by \$Value 2000

SIC HS 6	TOP 10 INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	104,901,679	168,444,120	63,542,441	60.57	3.81
36 854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	65,614,091	88,150,406	22,536,315	34.35	15.64
36 850440	STATIC CONVERTERS; ADP POWER SUPPLIES	42,274,159	58,447,669	16,173,510	38.26	10.44
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 841112*	TURBOJETS OF A THRUST EXCEEDING 25 KN	368,524,647	367,132,533	-1,392,114	-0.38	60.33
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	96,982,821	102,410,648	5,427,827	5.60	3.59
35 847141	DIGITAL ADP MACH, WITH CP UNIT, INPUT, OUTPUT, NESOI	54,404,866	87,465,077	33,060,211	60.77	33.27
	TRANSPORTATION EQUIPMENT					
37 841112*	TURBOJETS OF A THRUST EXCEEDING 25 KN	368,524,647	367,132,533	-1,392,114	-0.38	60.33
37 841191*	TURBOJET AND TURBOPROLLER PARTS	37,931,083	41,436,635	3,505,552	9.24	6.02
37 880330	PARTS OF AIRPLANES OR HELICOPTERS, NESOI	20,376,548	14,746,767	-5,629,781	-27.63	1.15
	INSTRUMENTS AND RELATED PRODUCTS					
38 901890	INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	19,381,720	23,043,166	3,661,446	18.89	6.25
38 370120	INSTANT PRINT FILM IN THE FLAT	18,629,817	20,690,894	2,061,077	11.06	97.50
38 852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	5,379,924	16,178,818	10,798,894	200.73	2.74
	CHEMICALS AND ALLIED PRODUCTS					
28 330710	PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS	16,399,821	16,044,685	-355,136	-2.17	57.23
28 330720	PERSONAL DEODORANTS AND ANTIPERSPIRANTS	17,646,072	15,577,618	-2,068,454	-11.72	34.31
28 300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	8,902,841	10,741,405	1,838,564	20.65	0.82
	PAPER AND ALLIED PRODUCTS					
26 481190	PAPER, PAPERBD, CELLULOSE WADD ETC, COAT ETC NESOI	21,658,707	25,331,962	3,673,255	16.96	20.54
26 480560	PAPER AND PAPERBOARD, NESOI, NOT OVER 150 G/M2, UC	21,192,725	22,365,607	1,172,882	5.53	26.55
26 391990	PLATES, SHEETS, FILM ETC, PLASTICS, SELF-ADH NESOI	11,765,589	14,509,205	2,743,616	23.32	9.24
	FABRICATED METAL PRODUCTS					
34 821210	RAZORS	24,884,642	25,892,723	1,008,081	4.05	76.15
34 821220	SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS	34,800,324	25,259,530	-9,540,794	-27.42	86.91
34 848180	TAPS COCKS ETC F PIPE VAT INC THERMO CONTROL NESOI	11,366,050	14,271,146	2,905,096	25.56	1.71
	RUBBER AND MISC. PLASTICS PRODUCTS					
30 392690*	ARTICLES OF PLASTICS, NESOI	14,773,269	16,765,163	1,991,894	13.48	2.58
	PLATES, SHEETS, FILM ETC, PLASTIC NESOI NCEL NESOI	7,886,665	10,722,832	2,836,167	35.96	6.47
	FOOTWEAR TEX UP RUBPLAS SOL SPORT SHOES	4,690,246	9,082,076	4,391,830	93.64	68.61
	MISC. MANUFACTURING INDUSTRIES					
39 950490	GAME MACH EX COIN; BD GAME; MAH-JONG; DMNOES; DICE	22,110,580	21,265,257	-845,323	-3.82	32.96
	GOLF BALLS	18,984,455	17,612,728	-1,371,727	-7.23	49.73
	ARTICLES OF PLASTICS, NESOI	14,773,269	16,765,163	1,991,894	13.48	2.58
	TEXTILE MILL PRODUCTS	, -,	, 11, 12	, , , ,		
22 590700	TEXTL FABRC, COATD, ETC, THEATRCL SCENERY, BACK-CLOTHS	16,023,281	13,590,922	-2,432,359	-15.18	37.66
	LOOPED PILE FABRICS MAN-MADE FIBER,KNIT OR CROCHET	11,142,026	12,425,583	1,283,557	11.52	64.84
	OTH PILE FABRICS,MAN-MADE FIBERS,KNITTED/CROCHETED	18,468,983	12,080,281	-6,388,702	-34.59	35.67
		. 5, . 55,000	,,	0,000,.02	550	00.01

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# MA Export Industries to Canada by Leading Commodity Components Top 5 Growth and Loss Industries 1999-2000

SIC HS 6	TOP 5 GROWTH INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER					
36 854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	104,901,679	168,444,120	63,542,441	60.57	3.81
36 854150	SEMICNDCTR DVICE EX PHOTOSENSITIVE/PHOTOVOLTAIC CL	5,250,264	34,553,340	29,303,076	558.13	24.07
36 853221	TANTALUM ELECTROLYTIC FIXED CAPACITORS	3,842,961	31,507,275	27,664,314	719.87	31.45
	INSTRUMENTS AND RELATED PRODUCTS					
38 852990	* PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	5,379,924	16,178,818	10,798,894	200.73	2.74
38 903090	PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	4,223,636	10,051,029	5,827,393	137.97	8.94
38 900640	INSTANT PRINT CAMERAS	4,421,793	9,171,001	4,749,208	107.40	89.71
	PAPER AND ALLIED PRODUCTS					
26 481190	PAPER, PAPERBD, CELLULOSE WADD ETC, COAT ETC NESOI	21,658,707	25,331,962	3,673,255	16.96	20.54
26 482190	PAPER AND PAPERBOARD LABELS, ALL KINDS, NOT PRINT	522,133	3,463,696	2,941,563	563.37	11.57
26 391990	PLATES, SHEETS, FILM ETC, PLASTICS, SELF-ADH NESOI	11,765,589	14,509,205	2,743,616	23.32	9.24
	RUBBER AND MISC. PLASTICS PRODUCTS					
30 848410	GASKETS, METAL LAYERS, OR OTHER MATL, MECH SEALS	1,710,297	8,873,058	7,162,761	418.80	11.65
30 640411	FOOTWEAR TEX UP RUBPLAS SOL SPORT SHOES	4,690,246	9,082,076	4,391,830	93.64	68.61
30 392190	PLATES, SHEETS, FILM ETC, PLASTIC NESOI NCEL NESOI	7,886,665	10,722,832	2,836,167	35.96	6.47
	TRANSPORTATION EQUIPMENT					
37 841111	TURBOJETS OF A THRUST NOT EXCEEDING 25 KN	0	13,077,028	13,077,028	NA	44.81
37 880230	AIPPLANE & A/C UNLADEN WGHT > 2000, NOV 15000 KG	0	5,015,242	5,015,242	NA	1.02
37 841191	* TURBOJET AND TURBOPROLLER PARTS	37,931,083	41,436,635	3,505,552	9.24	6.02
SIC HS 6	TOP 5 INDUSTRY LOSSES	1999	2000	INCR 99-00	%INCR	% OF US
	PRINTING AND PUBLISHING					
27 490199	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI	46,489,038	16,538,965	-29,950,073	-64.42	2.13
27 490199 27 482030	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS,FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD	46,489,038 13,068,515	16,538,965 10,957,519	-29,950,073 -2,110,996	-64.42 -16.15	2.13 26.66
27 490199 27 482030	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD	46,489,038	16,538,965	-29,950,073	-64.42	2.13
27 490199 27 482030 27 482010	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF	46,489,038 13,068,515 621,931	16,538,965 10,957,519 282,221	-29,950,073 -2,110,996 -339,710	-64.42 -16.15 -54.62	2.13 26.66 0.68
27 490199 27 482030 27 482010 99 852491	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I	46,489,038 13,068,515 621,931 29,532,098	16,538,965 10,957,519 282,221 12,649,975	-29,950,073 -2,110,996 -339,710 -16,882,123	-64.42 -16.15 -54.62	2.13 26.66 0.68 5.00
27 490199 27 482030 27 482010 99 852491 99 852431	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE	46,489,038 13,068,515 621,931 29,532,098 28,056,660	16,538,965 10,957,519 282,221 12,649,975 23,257,735	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925	-64.42 -16.15 -54.62 -57.17 -17.10	2.13 26.66 0.68 5.00 5.67
27 490199 27 482030 27 482010 99 852491 99 852431	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	46,489,038 13,068,515 621,931 29,532,098	16,538,965 10,957,519 282,221 12,649,975	-29,950,073 -2,110,996 -339,710 -16,882,123	-64.42 -16.15 -54.62	2.13 26.66 0.68 5.00
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54	2.13 26.66 0.68 5.00 5.67 3.11
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54	2.13 26.66 0.68 5.00 5.67 3.11
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54	2.13 26.66 0.68 5.00 5.67 3.11
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919 28 390319	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS POLYSTYRENE NESOI, PR FMS	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461 6,401,708	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654 -6,310,387	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919 28 390319 28 390422	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS POLYSTYRENE NESOI, PR FMS POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115 12,712,095 6,613,832	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461 6,401,708 1,469,514	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654 -6,310,387 -5,144,318	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60 -49.64 -77.78	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27 5.30 2.46
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919 28 390319 28 390422	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS POLYSTYRENE NESOI, PR FMS POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461 6,401,708	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654 -6,310,387	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919 28 390319 28 390422 28 382200	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS POLYSTYRENE NESOI, PR FMS POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT FURNITURE AND FIXTURES	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115 12,712,095 6,613,832 10,159,641	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461 6,401,708 1,469,514 7,515,163	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654 -6,310,387 -5,144,318 -2,644,478	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60 -49.64 -77.78 -26.03	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27 5.30 2.46 4.22
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919 28 390319 28 390422 28 382200 25 940370	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS POLYSTYRENE NESOI, PR FMS POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT FURNITURE AND FIXTURES FURNITURE OF PLASTICS, NESOI	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115 12,712,095 6,613,832 10,159,641 21,029,781	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461 6,401,708 1,469,514 7,515,163 19,169,364	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654 -6,310,387 -5,144,318 -2,644,478 -1,860,417	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60 -49.64 -77.78 -26.03	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27 5.30 2.46 4.22
27 490199 27 482030 27 482010 99 852491 99 852431 99 852499 32 680422 32 701091 32 690919 28 390319 28 390422 28 382200 25 940370 25 940330	PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI BINDERS, FOLDERS EXC BOOK COV FILE CVRS, PPR/PPRBRD REGISTERS/ACCT BKS/NOTEBKS/LETTER PAD ETC PPR/PBRD SPECIAL CLASSIFICATION PROVISIONS, NSPF OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI STONE, CLAY, AND GLASS PRODUCTS OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS GLASS CONTAINERS FOR PACKING ETC, OVER 1 LTR NESOI CERAMIC WARES FOR LABORATORY ETC USE NESOI CHEMICALS AND ALLIED PRODUCTS POLYSTYRENE NESOI, PR FMS POLYMERS NESOI OF POLYVINYL CHLORIDE, PLASTICIZED COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT FURNITURE AND FIXTURES	46,489,038 13,068,515 621,931 29,532,098 28,056,660 2,923,385 12,982,197 1,954,723 654,115 12,712,095 6,613,832 10,159,641	16,538,965 10,957,519 282,221 12,649,975 23,257,735 1,650,634 4,748,419 410,748 61,461 6,401,708 1,469,514 7,515,163	-29,950,073 -2,110,996 -339,710 -16,882,123 -4,798,925 -1,272,751 -8,233,778 -1,543,975 -592,654 -6,310,387 -5,144,318 -2,644,478	-64.42 -16.15 -54.62 -57.17 -17.10 -43.54 -63.42 -78.99 -90.60 -49.64 -77.78 -26.03	2.13 26.66 0.68 5.00 5.67 3.11 14.97 2.01 0.27 5.30 2.46 4.22

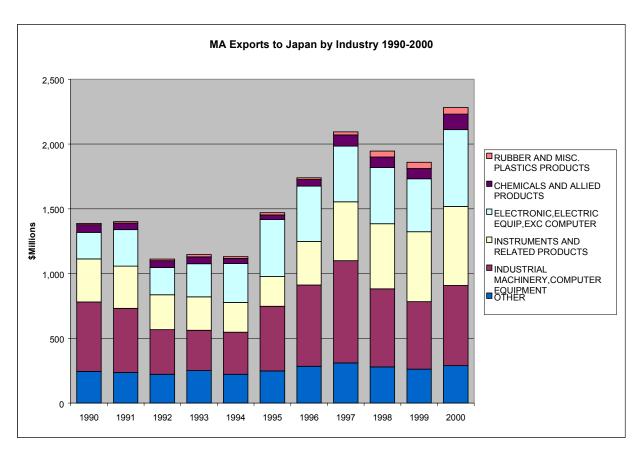
<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

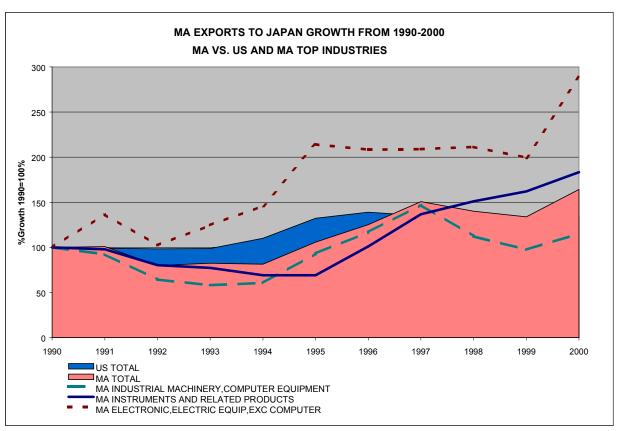
# MA Exports to Canada by Commodity Leading Commodities by \$Value, Growth, Loss of Shipments 1999-2000

RANK	HS 6	TOP 20 COMMODITIES	1999	2000	INCR 99-00	%INCR	%US
1	841112	TURBOJETS OF A THRUST EXCEEDING 25 KN	368,524,647	367,132,533	-1,392,114	-0.38	60.33
2	854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	104,901,679	168,444,120	63,542,441	60.57	3.81
3	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	96,982,821	102,410,648	5,427,827	5.60	3.59
4	854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	65,614,091	88,150,406	22,536,315	34.35	15.64
5	847141	DIGITAL ADP MACH, WITH CP UNIT, INPUT, OUTPUT, NESOI	54,404,866	87,465,077	33,060,211	60.77	33.27
6	847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	69,313,508	59,118,562	-10,194,946	-14.71	6.86
7	850440	STATIC CONVERTERS; ADP POWER SUPPLIES	42,274,159	58,447,669	16,173,510	38.26	10.44
8	987000	SPECIAL CANADIAN CLASSIFICATIONS, NESOI	33,706,900	50,363,036	16,656,136	49.41	2.64
9	841191	TURBOJET AND TURBOPROLLER PARTS	37,931,083	41,436,635	3,505,552	9.24	6.02
10	853650	ELECT SWITCHES F VOLTAGE NOT OVER 1000 V, NESOI	34,125,773	39,978,553	5,852,780	17.15	6.69
11	853400	PRINTED CIRCUITS	21,963,890	37,909,748	15,945,858	72.60	4.35
12	847149	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	29,020,482	34,910,780	5,890,298	20.30	4.55
13	854150	SEMICNDCTR DVICE EX PHOTOSENSITIVE/PHOTOVOLTAIC CL	5,250,264	34,553,340	29,303,076	558.13	24.07
14	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	12,048,589	34,218,960	22,170,371	184.01	2.85
15	852510	TRANSMISSION APPARATUS FOR RADIO OR TELEVISION	20,235,218	32,849,362	12,614,144	62.34	11.81
16	853221	TANTALUM ELECTROLYTIC FIXED CAPACITORS	3,842,961	31,507,275	27,664,314	719.87	31.45
17	988000	EST. LOW VALUE SHP; CANADIAN LOW VALUE AND NIK	25,562,644	26,202,043	639,399	2.50	1.32
18	821210	RAZORS	24,884,642	25,892,723	1,008,081	4.05	76.15
19	847150	DIGITAL PROCESSING UNITS, N.E.S.O.I.	23,711,497	25,796,643	2,085,146	8.79	1.64
20	851750	TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	37,000,435	25,794,042	-11,206,393	-30.29	2.50
RANK		TOP 10 COMMODITY GAINS	1999	2000	INCR 99-00	%INCR	%US
		METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	104,901,679	168,444,120	63,542,441	60.57	3.81
		DIGITAL ADP MACH, WITH CP UNIT, INPUT, OUTPUT, NESOI	54,404,866	87,465,077	33,060,211	60.77	33.27
		SEMICNDCTR DVICE EX PHOTOSENSITIVE/PHOTOVOLTAIC CL	5,250,264	34,553,340	29,303,076	558.13	24.07
		TANTALUM ELECTROLYTIC FIXED CAPACITORS	3,842,961	31,507,275	27,664,314	719.87	31.45
		ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT,N.E.S.O.I	65,614,091	88,150,406	22,536,315	34.35	15.64
		PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	12,048,589	34,218,960	22,170,371	184.01	2.85
		SPECIAL CANADIAN CLASSIFICATIONS, NESOI	33,706,900	50,363,036	16,656,136	49.41	2.64
		STATIC CONVERTERS; ADP POWER SUPPLIES PRINTED CIRCUITS	42,274,159 21,963,890	58,447,669 37,909,748	16,173,510	38.26 72.60	10.44 4.35
		ELECTRONIC MICROASSEMBLIES	10,865,577	25,009,699	15,945,858 14,144,122	130.17	7.98
10	007200	ELECTRONIC WICKOAGGEWIBEIEG	10,000,011	20,000,000	17, 177, 122	100.17	7.50
	HS 6	TOP 10 COMMODITY LOSSES	1999	2000	INCR 99-00	%INCR	%US
1		PRINTED BOOKS, BROCHURES, ETC., NESOI	46,489,038	16,538,965	-29,950,073	-64.42	2.13
		AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I	39,134,803	16,090,226	-23,044,577	-58.89	2.32
		OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I	29,532,098	12,649,975	-16,882,123	-57.17	5.00
		TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	37,000,435	25,794,042	-11,206,393	-30.29	2.50
		AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	69,313,508	59,118,562	-10,194,946	-14.71	6.86
		SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS	34,800,324	25,259,530	-9,540,794	-27.42	86.91
		GOLD, NONMONETARY, UNWROUGHT NESOI	13,988,923	4,465,507	-9,523,416	-68.08	2.43
		OTH MILLSTNS GRINSTNS A GRNDNG WHEELS AGGL ABRSVS	12,982,197	4,748,419	-8,233,778	-63.42	14.97
		PARTS FOR METAL ROLLING MILLS EXC ROLLS FOR ROL MI	9,812,468	2,525,587	-7,286,881	-74.26	13.42
		OTH PILE FABRICS,MAN-MADE FIBERS,KNITTED/CROCHETED	18,468,983	12,080,281	-6,388,702	-34.59	35.67
1.0			. 5, . 55,555	,000,201	-,000,102	000	

# Massachusetts Exports to Japan by Industry 1999-2000 Leading Industries by \$Value, Growth, Loss of Shipments

RANK	TOP 20 INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL INDUSTRIES	1,858,795,221	2,281,393,868	-4.46	22.74	422,598,647	3.50
1	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	522,086,014	619,061,223	-13.27	18.57	96,975,209	5.74
2	INSTRUMENTS AND RELATED PRODUCTS	539,801,649	610,420,719	7.40	13.08	70,619,070	9.43
3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	409,036,568	592,008,101	-5.68	44.73	182,971,533	6.03
4	CHEMICALS AND ALLIED PRODUCTS	78,992,652	120,477,088	-3.16	52.52	41,484,436	2.03
5	RUBBER AND MISC. PLASTICS PRODUCTS	47,299,701	49,713,674	3.88	5.10	2,413,973	5.47
6	FABRICATED METAL PRODUCTS	34,974,148	49,418,953	-38.57	41.30	14,444,805	5.24
7	FISHING, HUNTING, AND TRAPPING	41,925,231	37,426,326	-2.45	-10.73	-4,498,905	3.13
8	PRIMARY METAL INDUSTRIES	25,385,149	36,521,645	35.83	43.87	11,136,496	3.04
9	TRANSPORTATION EQUIPMENT	36,218,724	32,094,718	25.64	-11.39	-4,124,006	0.45
10	SPECIAL CLASSIFICATION PROVISIONS, NSPF	26,112,933	30,956,937	336.97	18.55	4,844,004	3.99
11	STONE, CLAY, AND GLASS PRODUCTS	10,356,947	29,362,787	37.64	183.51	19,005,840	3.48
12	MISC. MANUFACTURING INDUSTRIES	19,830,462	16,862,221	-51.57	-14.97	-2,968,241	1.44
13	PAPER AND ALLIED PRODUCTS	9,989,635	13,465,472	-7.14	34.79	3,475,837	0.99
14	LEATHER AND LEATHER PRODUCTS	19,158,737	11,096,673	68.71	-42.08	-8,062,064	4.11
15	PRINTING AND PUBLISHING	8,867,610	6,285,088	-64.64	-29.12	-2,582,522	2.43
16	TEXTILE MILL PRODUCTS	6,308,864	5,660,666	-16.85	-10.27	-648,198	2.67
17	CHARITY, MILITARY NIK, SHIPMENTS<10K NIK	3,710,391	5,081,903	-14.88	36.96	1,371,512	2.34
18	FOOD AND KINDRED PRODUCTS	2,017,908	4,488,920	-34.51	122.45	2,471,012	0.08
19	APPAREL AND OTHER TEXTILE PRODUCTS	8,087,003	4,407,298	-4.77	-45.50	-3,679,705	0.91
20	USED OR SECOND-HAND MERCHANDISE	2,445,206	2,503,084	-26.14	2.37	57,878	0.72
RANK	TOP 10 GROWTH INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	0/116
1 1/1/4/	TO TO CHOWITTINDOCTIVED	1999	2000	/050-55	/033-00	фииси ээ-оо	%US
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	409,036,568	592,008,101	-5.68	44.73	182,971,533	6.03
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	409,036,568	592,008,101	-5.68	44.73	182,971,533	6.03
1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	409,036,568 522,086,014	592,008,101 619,061,223	-5.68 -13.27	44.73 18.57	182,971,533 96,975,209	6.03 5.74
1 2 3	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER INDUSTRIAL MACHINERY,COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS	409,036,568 522,086,014 539,801,649	592,008,101 619,061,223 610,420,719	-5.68 -13.27 7.40	44.73 18.57 13.08	182,971,533 96,975,209 70,619,070	6.03 5.74 9.43
1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652	592,008,101 619,061,223 610,420,719 120,477,088	-5.68 -13.27 7.40 -3.16	44.73 18.57 13.08 52.52	182,971,533 96,975,209 70,619,070 41,484,436	6.03 5.74 9.43 2.03
1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787	-5.68 -13.27 7.40 -3.16 37.64	44.73 18.57 13.08 52.52 183.51	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840	6.03 5.74 9.43 2.03 3.48
1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953	-5.68 -13.27 7.40 -3.16 37.64 -38.57	44.73 18.57 13.08 52.52 183.51 41.30	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805	6.03 5.74 9.43 2.03 3.48 5.24
1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83	44.73 18.57 13.08 52.52 183.51 41.30 43.87	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496	6.03 5.74 9.43 2.03 3.48 5.24 3.04
1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99
1 2 3 4 5 6 7 8 9 10 <b>RANK</b>	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08
1 2 3 4 5 6 7 8 9 10 <b>RANK</b>	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908 19,158,737 41,925,231	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  %98-99 68.71 -2.45	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 **99-00 -42.08 -10.73	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>%US</b> 4.11 3.13
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908 19,158,737 41,925,231 36,218,724	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  %98-99 68.71 -2.45 25.64	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 **99-00 -42.08 -10.73 -11.39	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT APPAREL AND OTHER TEXTILE PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908 19,158,737 41,925,231 36,218,724 8,087,003	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718 4,407,298	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  %98-99 68.71 -2.45 25.64 -4.77	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 ***/99-00 -42.08 -10.73 -11.39 -45.50	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006 -3,679,705	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45 0.91
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT APPAREL AND OTHER TEXTILE PRODUCTS MISC. MANUFACTURING INDUSTRIES	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908 19,158,737 41,925,231 36,218,724 8,087,003 19,830,462	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718 4,407,298 16,862,221	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  %98-99 68.71 -2.45 25.64 -4.77 -51.57	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 **99-00 -42.08 -10.73 -11.39 -45.50 -14.97	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006 -3,679,705 -2,968,241	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45 0.91
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT APPAREL AND OTHER TEXTILE PRODUCTS MISC. MANUFACTURING INDUSTRIES PRINTING AND PUBLISHING	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908 19,158,737 41,925,231 36,218,724 8,087,003 19,830,462 8,867,610	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718 4,407,298 16,862,221 6,285,088	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  **98-99 68.71 -2.45 25.64 -4.77 -51.57 -64.64	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 **99-00 -42.08 -10.73 -11.39 -45.50 -14.97 -29.12	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006 -3,679,705 -2,968,241 -2,582,522	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45 0.91 1.44 2.43
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT APPAREL AND OTHER TEXTILE PRODUCTS MISC. MANUFACTURING INDUSTRIES PRINTING AND PUBLISHING FURNITURE AND FIXTURES	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908  1999 19,158,737 41,925,231 36,218,724 8,087,003 19,830,462 8,867,610 2,936,702	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718 4,407,298 16,862,221 6,285,088 1,130,384	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  %98-99 68.71 -2.45 25.64 -4.77 -51.57 -64.64 264.62	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 **99-00 -42.08 -10.73 -11.39 -45.50 -14.97 -29.12 -61.51	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006 -3,679,705 -2,968,241 -2,582,522 -1,806,318	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45 0.91 1.44 2.43 0.76
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT APPAREL AND OTHER TEXTILE PRODUCTS MISC. MANUFACTURING INDUSTRIES PRINTING AND PUBLISHING FURNITURE AND FIXTURES LUMBER AND WOOD PRODUCTS	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908  19,158,737 41,925,231 36,218,724 8,087,003 19,830,462 8,867,610 2,936,702 2,334,984	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718 4,407,298 16,862,221 6,285,088 1,130,384 1,508,652	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  **98-99 68.71 -2.45 25.64 -4.77 -51.57 -64.64 264.62 40.72	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 <b>%99-00</b> -42.08 -10.73 -11.39 -45.50 -14.97 -29.12 -61.51 -35.39	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006 -3,679,705 -2,968,241 -2,582,522 -1,806,318 -826,332	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45 0.91 1.44 2.43 0.76 0.10
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS CHEMICALS AND ALLIED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS FABRICATED METAL PRODUCTS PRIMARY METAL INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF PAPER AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS  TOP 10 LOSSES BY INDUSTRY LEATHER AND LEATHER PRODUCTS FISHING, HUNTING, AND TRAPPING TRANSPORTATION EQUIPMENT APPAREL AND OTHER TEXTILE PRODUCTS MISC. MANUFACTURING INDUSTRIES PRINTING AND PUBLISHING FURNITURE AND FIXTURES	409,036,568 522,086,014 539,801,649 78,992,652 10,356,947 34,974,148 25,385,149 26,112,933 9,989,635 2,017,908  1999 19,158,737 41,925,231 36,218,724 8,087,003 19,830,462 8,867,610 2,936,702	592,008,101 619,061,223 610,420,719 120,477,088 29,362,787 49,418,953 36,521,645 30,956,937 13,465,472 4,488,920 2000 11,096,673 37,426,326 32,094,718 4,407,298 16,862,221 6,285,088 1,130,384	-5.68 -13.27 7.40 -3.16 37.64 -38.57 35.83 336.97 -7.14 -34.51  %98-99 68.71 -2.45 25.64 -4.77 -51.57 -64.64 264.62	44.73 18.57 13.08 52.52 183.51 41.30 43.87 18.55 34.79 122.45 **99-00 -42.08 -10.73 -11.39 -45.50 -14.97 -29.12 -61.51	182,971,533 96,975,209 70,619,070 41,484,436 19,005,840 14,444,805 11,136,496 4,844,004 3,475,837 2,471,012 \$Incr 99-00 -8,062,064 -4,498,905 -4,124,006 -3,679,705 -2,968,241 -2,582,522 -1,806,318	6.03 5.74 9.43 2.03 3.48 5.24 3.04 3.99 0.99 0.08 <b>**US</b> 4.11 3.13 0.45 0.91 1.44 2.43 0.76





## MA Export Industries to Japan by Leading Commodity Components Top 10 Industries Sorted by \$Value 2000

SIC HS 6	TOP 10 INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	213,162,353	122,827,028	-90,335,325	-42.38	5.30
35 847130	PORT DIGTL AUTOMATIC DATA PROCESS MACH NOT > 10 KG	40,650,655	79,454,750	38,804,095	95.46	60.94
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	10,456,899	39,016,315	28,559,416	273.12	91.39
	INSTRUMENTS AND RELATED PRODUCTS					
38 901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	154,243,489	143,388,093	-10,855,396	-7.04	34.52
38 903089	INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	29,072,973	42,304,251	13,231,278	45.51	23.89
38 852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	17,493,378	39,603,025	22,109,647	126.39	6.20
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	64,350,661	140,929,035	76,578,374	119.00	27.96
36 854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	39,551,633	55,114,701	15,563,068	39.35	8.74
36 851780	ELECTRIC TELEPHONIC & TELEGRAPHIC APPARATUS, NESOI	38,702,530	48,308,867	9,606,337	24.82	83.01
	CHEMICALS AND ALLIED PRODUCTS					
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	13,602,504	29,026,241	15,423,737	113.39	8.17
28 300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	18,057,225	22,960,438	4,903,213	27.15	11.34
28 300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	8,981,488	12,797,209	3,815,721	42.48	5.97
	RUBBER AND MISC. PLASTICS PRODUCTS					
30 392690*	ARTICLES OF PLASTICS, NESOI	29,964,208	32,750,853	2,786,645	9.30	20.45
30 392062	PLATES ETC, NONCELL ETC, POLYETHYLENE TEREPHTHLATE	1,236,825	1,930,785	693,960	56.11	6.42
30 392069	PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	1,648,136	1,852,992	204,856	12.43	13.97
	FABRICATED METAL PRODUCTS					
34 930690	BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS	8,964,117	13,948,711	4,984,594	55.61	9.98
34 821210	RAZORS	8,421,595	9,006,849	585,254	6.95	99.50
34 848180	TAPS COCKS ETC F PIPE VAT INC THERMO CONTROL NESOI	1,299,720	7,196,113	5,896,393	453.67	13.99
	FISHING, HUNTING, AND TRAPPING					
9 30239	TUNAS NESOI, WITH BONES, FRESH OR CHILLED	7,698,041	9,127,216	1,429,175	18.57	76.42
9 30791	MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED	13,481,230	9,076,516	-4,404,714	-32.67	12.59
9 30270	FISH LIVERS AND ROES, FRESH OR CHILLED	6,527,649	5,843,884	-683,765	-10.47	41.94
	PRIMARY METAL INDUSTRIES					
33 810390	TANTALUM AND ARTICLES THEREOF, NESOI	6,863,751	13,410,652	6,546,901	95.38	65.32
33 810890	TITANIUM AND ARTICLES THEREOF NESOI	7,584,889	6,919,155	-665,734	-8.78	41.12
33 280461	SILICON CONTAIN BY WT NT < 99.99% OF SILICON	1,125,033	2,067,077	942,044	83.73	1.02
	TRANSPORTATION EQUIPMENT					
37 841199*	GAS TURBINE PARTS NESOI	15,972,410	20,757,565	4,785,155	29.96	3.85
37 841191*	TURBOJET AND TURBOPROLLER PARTS	14,536,131	13,673,588	-862,543	-5.93	2.86
37 880330	PARTS OF AIRPLANES OR HELICOPTERS, NESOI	2,054,597	5,552,151	3,497,554	170.23	0.30
	SPECIAL CLASSIFICATION PROVISIONS, NSPF					
99 980110	VALUE OF REPAIR/ALTER ARTICLES PREVIOUS IMPORTED	11,072,056	9,111,780	-1,960,276	-17.70	2.31
99 852499*	RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	7,186,360	7,379,299	192,939	2.68	5.89
99 852491	OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I	2,509,905	5,925,101	3,415,196	136.07	11.60

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# MA Export Industries to Japan by Leading Commodity Components Top 5 Growth and Loss Industries 1999-2000

SIC HS 6	TOP 5 GROWTH INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	64,350,661	140,929,035	76,578,374	119.00	27.96
36 854390	PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	13,968,496	38,048,119	24,079,623	172.39	35.07
36 852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	17,493,378	39,603,025	22,109,647	126.39	6.20
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 847130	PORT DIGTL AUTOMATIC DATA PROCESS MACH NOT > 10 KG	40,650,655	79,454,750	38,804,095	95.46	60.94
35 841350	RECIPROCATING POSITIVE DISPLACEMENT PUMPS, NESOI	8,810,843	37,414,717	28,603,874	324.64	75.54
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	10,456,899	39,016,315	28,559,416	273.12	91.39
	INSTRUMENTS AND RELATED PRODUCTS					
38 903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	5,736,642	31,835,949	26,099,307	454.96	24.23
38 852990*	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	17,493,378	39,603,025	22,109,647	126.39	6.20
38 903089	INST, MEASURING/CHECKING ELECTRICAL QUANTITIE, NESOI	29,072,973	42,304,251	13,231,278	45.51	23.89
	CHEMICALS AND ALLIED PRODUCTS					
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	13,602,504	29,026,241	15,423,737	113.39	8.17
28 300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	18,057,225	22,960,438	4,903,213	27.15	11.34
28 300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	8,981,488	12,797,209	3,815,721	42.48	5.97
	STONE, CLAY, AND GLASS PRODUCTS					
32 690320	OTH REFRAC CERAM GDS NES ALUMINA/SILICA OV 50 PCT	2,841,478	14,305,394	11,463,916	403.45	92.14
32 382490*	PRODUCTS AND RESIDUALS OF CHEMICAL INDUSTRY, NESOI	5,183,332	7,340,691	2,157,359	41.62	9.48
32 701939	GLASS NONWOVEN MATTRESSES, BOARDS ETC NESOI	1,344,066	3,471,752	2,127,686	158.30	44.84
SIC HS 6	TOP 5 INDUSTRY LOSSES	1999	2000	INCR 99-00	%INCR	% OF US
	LEATHER AND LEATHER PRODUCTS					
31 640299*	LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI	3,722,996	1,130,475	-2,592,521	-69.64	36.77
31 640299* 31 640359	LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI	3,722,996 3,983,408	1,130,475 1,577,155	-2,592,521 -2,406,253	-69.64 -60.41	36.77 21.55
31 640299* 31 640359	LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS	3,722,996	1,130,475	-2,592,521	-69.64	36.77
31 640299* 31 640359 31 640319	LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING	3,722,996 3,983,408 1,847,008	1,130,475 1,577,155 729,304	-2,592,521 -2,406,253 -1,117,704	-69.64 -60.41 -60.51	36.77 21.55 4.15
31 640299* 31 640359 31 640319 9 30791	LEATHER AND LEATHER PRODUCTS  FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED	3,722,996 3,983,408 1,847,008 13,481,230	1,130,475 1,577,155 729,304 9,076,516	-2,592,521 -2,406,253 -1,117,704 -4,404,714	-69.64 -60.41 -60.51	36.77 21.55 4.15 12.59
31 640299* 31 640359 31 640319 9 30791 9 30270	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS  FISHING, HUNTING, AND TRAPPING  MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED  FISH LIVERS AND ROES, FRESH OR CHILLED	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649	1,130,475 1,577,155 729,304 9,076,516 5,843,884	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765	-69.64 -60.41 -60.51 -32.67 -10.47	36.77 21.55 4.15 12.59 41.94
31 640299* 31 640359 31 640319 9 30791	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD	3,722,996 3,983,408 1,847,008 13,481,230	1,130,475 1,577,155 729,304 9,076,516	-2,592,521 -2,406,253 -1,117,704 -4,404,714	-69.64 -60.41 -60.51	36.77 21.55 4.15
31 640299* 31 640359 31 640319 9 30791 9 30270 9 30229	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37	36.77 21.55 4.15 12.59 41.94 38.14
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP)	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37	36.77 21.55 4.15 12.59 41.94 38.14 31.03
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111*	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111*	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37	36.77 21.55 4.15 12.59 41.94 38.14 31.03
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111* 37 841122*	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83 0.00
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111* 37 841122*	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS W/G SUIT-TYPE JACKETS AND BLAZERS WOOL, NOT KNIT	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054 1,036,256	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111* 37 841122*  23 620431 23 620444	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS W/G SUIT-TYPE JACKETS AND BLAZERS WOOL, NOT KNIT WOMEN'S OR GIRLS' DRESSES ARTIFICIAL FIBERS, N KT	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054 1,036,256 484,565	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83 0.00
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111* 37 841122*  23 620431 23 620444	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS W/G SUIT-TYPE JACKETS AND BLAZERS WOOL, NOT KNIT WOMEN'S OR GIRLS' DRESSES ARTIFICIAL FIBERS, N KT WOMEN'S OR GIRLS' TROUSERS ETC NOT KNIT, TEX NESOI	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054 1,036,256	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83 0.00
31 640299* 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111* 37 841122*  23 620431 23 620444 23 620469	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS W/G SUIT-TYPE JACKETS AND BLAZERS WOOL, NOT KNIT WOMEN'S OR GIRLS' DRESSES ARTIFICIAL FIBERS, N KT WOMEN'S OR GIRLS' TROUSERS ETC NOT KNIT, TEX NESOI MISC. MANUFACTURING INDUSTRIES	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054 1,036,256 484,565 347,138	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0 216,129 71,499 20,624	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054 -820,127 -413,066 -326,514	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00 -79.14 -85.24 -94.06	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83 0.00 30.43 7.08 13.32
31 640299° 31 640359 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111° 37 841122°  23 620431 23 620469  39 950632	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS W/G SUIT-TYPE JACKETS AND BLAZERS WOOL, NOT KNIT WOMEN'S OR GIRLS' DRESSES ARTIFICIAL FIBERS, N KT WOMEN'S OR GIRLS' TROUSERS ETC NOT KNIT, TEX NESOI MISC. MANUFACTURING INDUSTRIES GOLF BALLS	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054 1,036,256 484,565 347,138 6,696,674	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0 216,129 71,499 20,624 3,943,851	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054 -820,127 -413,066 -326,514 -2,752,823	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00 -79.14 -85.24 -94.06	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83 0.00 30.43 7.08 13.32
31 640299* 31 640319  9 30791 9 30270 9 30229  37 840910 37 841111* 37 841122*  23 620444 23 620469  39 950632 39 950632	FOOTWEAR, OUTER SOLE & UPPER RUBBER OR PLAST NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR, OUTER SOLE & UPPER OF LEATHER NESOI FOOTWEAR LEA UPPER, SPORTS FOOTWEAR EXC SKI-BOOTS FISHING, HUNTING, AND TRAPPING MOLLUSCS ETC NESOI, LIVE, FRESH OR CHILLED FISH LIVERS AND ROES, FRESH OR CHILLED FLATFISH NESOI EXCEPT FILLET, LIVER ROE FRESH/CHLD TRANSPORTATION EQUIPMENT PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP) TURBOJETS OF A THRUST NOT EXCEEDING 25 KN TURBOPROPELLERS OF A POWER EXCEEDING 1,100 KW APPAREL AND OTHER TEXTILE PRODUCTS W/G SUIT-TYPE JACKETS AND BLAZERS WOOL, NOT KNIT WOMEN'S OR GIRLS' DRESSES ARTIFICIAL FIBERS, N KT WOMEN'S OR GIRLS' TROUSERS ETC NOT KNIT, TEX NESOI MISC. MANUFACTURING INDUSTRIES	3,722,996 3,983,408 1,847,008 13,481,230 6,527,649 1,319,832 10,883,756 4,205,000 1,002,054 1,036,256 484,565 347,138	1,130,475 1,577,155 729,304 9,076,516 5,843,884 945,407 4,140,726 1,520,969 0 216,129 71,499 20,624	-2,592,521 -2,406,253 -1,117,704 -4,404,714 -683,765 -374,425 -6,743,030 -2,684,031 -1,002,054 -820,127 -413,066 -326,514	-69.64 -60.41 -60.51 -32.67 -10.47 -28.37 -61.95 -63.83 -100.00 -79.14 -85.24 -94.06	36.77 21.55 4.15 12.59 41.94 38.14 31.03 12.83 0.00 30.43 7.08 13.32

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

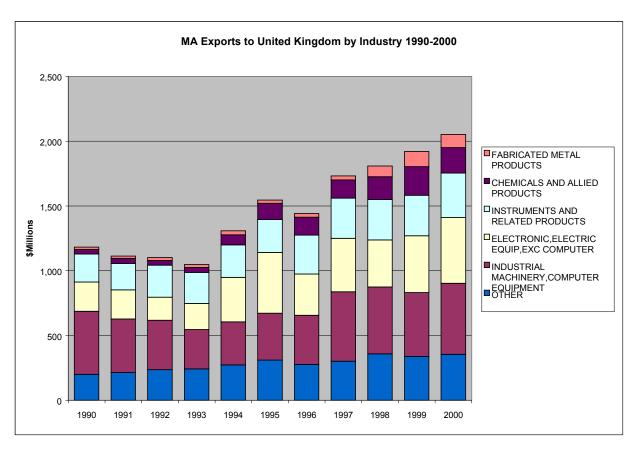
## MA Exports to Japan by Commodity Leading Commodities by \$Value, Growth, Loss of Shipments 1999-2000

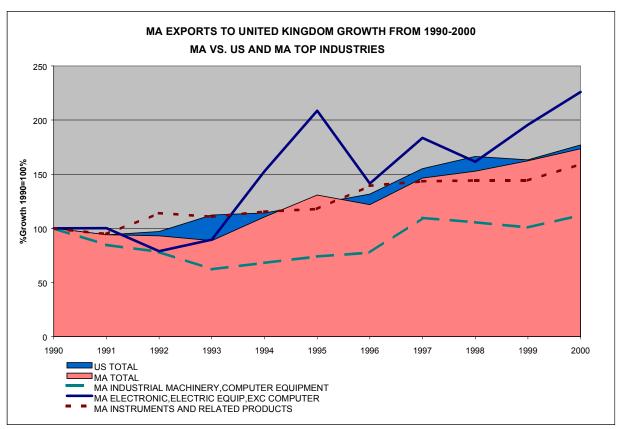
<b>RANK</b>	HS 6	TOP 20 COMMODITIES	1999	2000	INCR 99-00	%INCR	%US
1	901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	154,243,489	143,388,093	-10,855,396	-7.04	34.52
2	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	64,350,661	140,929,035	76,578,374	119.00	27.96
3	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	213,162,353	122,827,028	-90,335,325	-42.38	5.30
4	847130	PORT DIGTL AUTOMATIC DATA PROCESS MACH NOT > 10 KG	40,650,655	79,454,750	38,804,095	95.46	60.94
5	854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	39,551,633	55,114,701	15,563,068	39.35	8.74
6	851780	ELECTRIC TELEPHONIC & TELEGRAPHIC APPARATUS, NESOI	38,702,530	48,308,867	9,606,337	24.82	83.01
7	903089	INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	29,072,973	42,304,251	13,231,278	45.51	23.89
8	852990	PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	17,493,378	39,603,025	22,109,647	126.39	6.20
9	854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	10,456,899	39,016,315	28,559,416	273.12	91.39
		PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	13,968,496	38,048,119	24,079,623	172.39	35.07
11	901890	INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	47,622,869	37,978,075	-9,644,794	-20.25	8.54
12	841350	RECIPROCATING POSITIVE DISPLACEMENT PUMPS, NESOI	8,810,843	37,414,717	28,603,874	324.64	75.54
13	392690	ARTICLES OF PLASTICS, NESOI	29,964,208	32,750,853	2,786,645	9.30	20.45
14		INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	5,736,642	31,835,949	26,099,307	454.96	24.23
15	847149	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	13,241,027	29,966,362	16,725,335	126.31	8.44
		COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	13,602,504	29,026,241	15,423,737	113.39	8.17
		AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	41,046,736	28,619,611	-12,427,125	-30.28	2.59
18	854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	40,277,241	26,792,203	-13,485,038	-33.48	12.20
19	903090	PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	20,734,300	25,426,784	4,692,484	22.63	12.46
20	842122	BEVERAGE FILTERING OR PURIFYING MACH & APPARATUS	2,499,362	24,466,746	21,967,384	878.92	91.61
RANK		TOP 10 COMMODITY GAINS	1999	2000	INCR 99-00	%INCR	%US
		PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	64,350,661	140,929,035	76,578,374	119.00	27.96
		PORT DIGTL AUTOMATIC DATA PROCESS MACH NOT > 10 KG	40,650,655	79,454,750	38,804,095	95.46	60.94
		RECIPROCATING POSITIVE DISPLACEMENT PUMPS, NESOI	8,810,843	37,414,717	28,603,874	324.64	75.54
		PARTICLE ACCELERATORS, ION IMPLANTERS FOR SMCNDCTRS	10,456,899	39,016,315	28,559,416	273.12	91.39
5		INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	5,736,642 13,968,496	31,835,949 38,048,119	26,099,307 24,079,623	454.96 172.39	24.23 35.07
		PTS,EX ANTENNA,FOR TRNSMSSN,RDR,RADIO,TV,ETC NESOI	17,493,378	39,603,025	22,109,647	126.39	6.20
		BEVERAGE FILTERING OR PURIFYING MACH & APPARATUS	2,499,362	24,466,746	21,967,384	878.92	91.61
9		DIGITAL ADP MAC & UNITS, ENTERED AS SYSTEMS, NESOI	13,241,027	29,966,362	16,725,335	126.31	8.44
-		ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	39,551,633	55,114,701	15,563,068	39.35	8.74
		•		, ,	, ,		
	HS 6	TOP 10 COMMODITY LOSSES	1999	2000	INCR 99-00	%INCR	%US
1	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	213,162,353	122,827,028	-90,335,325	-42.38	5.30
2	851730	TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	60,938,387	22,124,528	-38,813,859	-63.69	13.16
3	901812	ULTRASONIC SCANNING APPARATUS	32,963,708	14,254,762	-18,708,946	-56.76	29.62
4	854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	40,277,241	26,792,203	-13,485,038	-33.48	12.20
5	847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	41,046,736	28,619,611	-12,427,125	-30.28	2.59
6	842129	FILTER/PURIFY MACHINE & APPARATUS FOR LIQUID NESOI	15,080,575	3,881,235	-11,199,340	-74.26	10.74
7	901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	154,243,489	143,388,093	-10,855,396	-7.04	34.52
8	901890	INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	47,622,869	37,978,075	-9,644,794	-20.25	8.54
9	840910	PARTS FOR AIRCRAFT ENGINES (SP-IGN, ROT OR COMP)	10,883,756	4,140,726	-6,743,030	-61.95	31.03
10	901590	PARTS AND ACCESSORIES FOR SURVEYING ETC NESOI	7,769,233	2,078,606	-5,690,627	-73.25	8.91

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# Massachusetts Exports to United Kingdom by Industry 1999-2000 Leading Industries by \$Value, Growth, Loss of Shipments

RANK	( TOP 20 INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL INDUSTRIES	1,921,447,260	2,052,721,106	6.24	6.83	131,273,846	4.94
1	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	491,978,025	548,053,631	-4.65	11.40	56,075,606	6.16
2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	439,692,358	507,634,452	21.09	15.45	67,942,094	8.19
3	INSTRUMENTS AND RELATED PRODUCTS	311,688,193	344,581,889	0.01	10.55	32,893,696	9.01
4	CHEMICALS AND ALLIED PRODUCTS	220,953,943	195,522,950	25.56	-11.51	-25,430,993	5.14
5	FABRICATED METAL PRODUCTS	118,015,623	102,158,862	41.94	-13.44	-15,856,761	9.69
6	PRIMARY METAL INDUSTRIES	47,970,850	68,314,508	-63.04	42.41	20,343,658	3.40
7	RUBBER AND MISC. PLASTICS PRODUCTS	54,555,385	53,946,226	-8.91	-1.12	-609,159	8.05
8	MISC. MANUFACTURING INDUSTRIES	45,528,299	38,116,611	80.72	-16.28	-7,411,688	4.24
9	USED OR SECOND-HAND MERCHANDISE	5,762,944	33,193,204	31.26	475.98	27,430,260	3.62
10	SPECIAL CLASSIFICATION PROVISIONS, NSPF	38,238,285	28,077,872	526.89	-26.57	-10,160,413	6.43
11	PAPER AND ALLIED PRODUCTS	16,818,900	24,884,635	-27.01	47.96	8,065,735	4.39
12	TRANSPORTATION EQUIPMENT	18,765,611	24,052,665	28.47	28.17	5,287,054	0.30
13	TEXTILE MILL PRODUCTS	15,003,636	16,899,547	-17.53	12.64	1,895,911	6.63
14	FOOD AND KINDRED PRODUCTS	32,237,139	11,713,523	85.80	-63.66	-20,523,616	1.70
15	PRINTING AND PUBLISHING	9,098,107	10,296,674	-50.04	13.17	1,198,567	1.80
16	STONE, CLAY, AND GLASS PRODUCTS	8,175,873	10,086,564	28.50	23.37	1,910,691	2.13
17	LEATHER AND LEATHER PRODUCTS	6,735,299	7,821,809	12.41	16.13	1,086,510	13.23
18	CHARITY, MILITARY NIK, SHIPMENTS<10K NIK	7,242,386	6,248,341	4.57	-13.73	-994,045	4.71
19	FISHING, HUNTING, AND TRAPPING	14,204,918	6,239,354	116.55	-56.08	-7,965,564	25.74
20	FURNITURE AND FIXTURES	7,359,077	5,222,257	278.22	-29.04	-2,136,820	2.41
RANK	CTOP 10 GROWTH INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
RANK 1	(TOP 10 GROWTH INDUSTRIES  ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	<b>1999</b> 439,692,358	<b>2000</b> 507,634,452	<b>%98-99</b> 21.09	<b>%99-00</b> 15.45	\$Incr 99-00 67,942,094	<b>%US</b> 8.19
1	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER	439,692,358	507,634,452	21.09	15.45	67,942,094	8.19
1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	439,692,358 491,978,025	507,634,452 548,053,631	21.09 -4.65	15.45 11.40	67,942,094 56,075,606	8.19 6.16
1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS	439,692,358 491,978,025 311,688,193	507,634,452 548,053,631 344,581,889	21.09 -4.65 0.01	15.45 11.40 10.55	67,942,094 56,075,606 32,893,696	8.19 6.16 9.01
1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE	439,692,358 491,978,025 311,688,193 5,762,944	507,634,452 548,053,631 344,581,889 33,193,204	21.09 -4.65 0.01 31.26	15.45 11.40 10.55 475.98	67,942,094 56,075,606 32,893,696 27,430,260	8.19 6.16 9.01 3.62
1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508	21.09 -4.65 0.01 31.26 -63.04	15.45 11.40 10.55 475.98 42.41	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658	8.19 6.16 9.01 3.62 3.40
1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635	21.09 -4.65 0.01 31.26 -63.04 -27.01	15.45 11.40 10.55 475.98 42.41 47.96	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735	8.19 6.16 9.01 3.62 3.40 4.39
1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47	15.45 11.40 10.55 475.98 42.41 47.96 28.17	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054	8.19 6.16 9.01 3.62 3.40 4.39 0.30
1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54
1 2 3 4 5 6 7 8 9 10 RANK	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33 **98-99 25.56	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276 \$Incr 99-00 -25,430,993	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33 **98-99 25.56 85.80	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276 \$Incr 99-00 -25,430,993 -20,523,616	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54 %US 5.14 1.70
1 2 3 4 5 6 7 8 9 10 RANK	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS FABRICATED METAL PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33 %98-99 25.56 85.80 41.94	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66 -13.44	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54 **US 5.14 1.70 9.69
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623 38,238,285	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862 28,077,872	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33 **98-99 25.56 85.80 41.94 526.89	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66 -13.44 -26.57	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761 -10,160,413	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54 <b>%US</b> 5.14 1.70 9.69 6.43
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF FISHING, HUNTING, AND TRAPPING	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623 38,238,285 14,204,918	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862 28,077,872 6,239,354	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33 **98-99 25.56 85.80 41.94 526.89 116.55	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66 -13.44 -26.57 -56.08	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761 -10,160,413 -7,965,564	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54  **US 5.14 1.70 9.69 6.43 25.74
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF FISHING, HUNTING, AND TRAPPING MISC. MANUFACTURING INDUSTRIES	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623 38,238,285 14,204,918 45,528,299	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862 28,077,872 6,239,354 38,116,611	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33  %98-99 25.56 85.80 41.94 526.89 116.55 80.72	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 <b>%99-00</b> -11.51 -63.66 -13.44 -26.57 -56.08 -16.28	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761 -10,160,413 -7,965,564 -7,411,688	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54 **US 5.14 1.70 9.69 6.43 25.74 4.24
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF FISHING, HUNTING, AND TRAPPING MISC. MANUFACTURING INDUSTRIES APPAREL AND OTHER TEXTILE PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623 38,238,285 14,204,918 45,528,299 5,629,414	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862 28,077,872 6,239,354 38,116,611 2,755,913	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33  **98-99 25.56 85.80 41.94 526.89 116.55 80.72 9.20	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66 -13.44 -26.57 -56.08 -16.28 -51.04	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761 -10,160,413 -7,965,564	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54  **US 5.14 1.70 9.69 6.43 25.74 4.24 1.84
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF FISHING, HUNTING, AND TRAPPING MISC. MANUFACTURING INDUSTRIES	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623 38,238,285 14,204,918 45,528,299	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862 28,077,872 6,239,354 38,116,611 2,755,913 5,222,257	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33  %98-99 25.56 85.80 41.94 526.89 116.55 80.72	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66 -13.44 -26.57 -56.08 -16.28 -51.04 -29.04	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761 -10,160,413 -7,965,564 -7,411,688	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54 **US 5.14 1.70 9.69 6.43 25.74 4.24
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT INSTRUMENTS AND RELATED PRODUCTS USED OR SECOND-HAND MERCHANDISE PRIMARY METAL INDUSTRIES PAPER AND ALLIED PRODUCTS TRANSPORTATION EQUIPMENT STONE, CLAY, AND GLASS PRODUCTS TEXTILE MILL PRODUCTS LUMBER AND WOOD PRODUCTS  (TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS FOOD AND KINDRED PRODUCTS FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF FISHING, HUNTING, AND TRAPPING MISC. MANUFACTURING INDUSTRIES APPAREL AND OTHER TEXTILE PRODUCTS	439,692,358 491,978,025 311,688,193 5,762,944 47,970,850 16,818,900 18,765,611 8,175,873 15,003,636 2,859,513 1999 220,953,943 32,237,139 118,015,623 38,238,285 14,204,918 45,528,299 5,629,414	507,634,452 548,053,631 344,581,889 33,193,204 68,314,508 24,884,635 24,052,665 10,086,564 16,899,547 4,292,789 2000 195,522,950 11,713,523 102,158,862 28,077,872 6,239,354 38,116,611 2,755,913	21.09 -4.65 0.01 31.26 -63.04 -27.01 28.47 28.50 -17.53 -5.33  **98-99 25.56 85.80 41.94 526.89 116.55 80.72 9.20	15.45 11.40 10.55 475.98 42.41 47.96 28.17 23.37 12.64 50.12 **99-00 -11.51 -63.66 -13.44 -26.57 -56.08 -16.28 -51.04	67,942,094 56,075,606 32,893,696 27,430,260 20,343,658 8,065,735 5,287,054 1,910,691 1,895,911 1,433,276  \$Incr 99-00 -25,430,993 -20,523,616 -15,856,761 -10,160,413 -7,965,564 -7,411,688 -2,873,501	8.19 6.16 9.01 3.62 3.40 4.39 0.30 2.13 6.63 1.54  **US 5.14 1.70 9.69 6.43 25.74 4.24 1.84





# MA Export Industries to United Kingdom by Leading Commodity Components Top 10 Industries Sorted by \$Value 2000

SIC HS 6	TOP 10 INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	232,142,690	214,709,792	-17,432,898	-7.51	9.46
35 847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	57,311,641	67,379,339	10,067,698	17.57	8.11
35 847149*	DIGITAL ADP MAC & UNITS, ENTERED AS SYSTEMS, NESOI	22,860,589	32,332,934	9,472,345	41.44	12.56
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	111,424,568	106,316,261	-5,108,307	-4.58	8.12
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	54,366,817	62,406,613	8,039,796	14.79	18.21
36 901819*	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	19,513,757	41,483,589	21,969,832	112.59	32.02
	INSTRUMENTS AND RELATED PRODUCTS					
38 902111	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	50,733,397	43,279,684	-7,453,713	-14.69	41.10
38 901819*	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	19,513,757	41,483,589	21,969,832	112.59	32.02
38 903040	OTH INST, SPECIALLY DESIGNED FOR TELECOMMUNICATION	12,814,201	22,401,541	9,587,340	74.82	19.20
	CHEMICALS AND ALLIED PRODUCTS					
28 300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	156,938,494	130,005,012	-26,933,482	-17.16	16.69
28 300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	7,172,746	9,435,175	2,262,429	31.54	16.26
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	7,861,232	9,017,239	1,156,007	14.71	3.00
	FABRICATED METAL PRODUCTS					
34 821210	RAZORS	78,064,562	75,179,700	-2,884,862	-3.70	98.97
34 821220	SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS	10,544,140	4,595,080	-5,949,060	-56.42	40.78
34 930690	BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS	2,001,324	3,419,486	1,418,162	70.86	1.84
	PRIMARY METAL INDUSTRIES					
33 710812	GOLD, NONMONETARY, UNWROUGHT NESOI	25,930	26,841,500	26,815,570	103,415.23	2.69
33 854459	ELEC COND OV 80V NOV 1000V NOT FITTED W CONNECTOR	1,906,151	3,801,589	1,895,438	99.44	26.35
33 810390	TANTALUM AND ARTICLES THEREOF, NESOI	1,157,337	3,188,230	2,030,893	175.48	62.65
	RUBBER AND MISC. PLASTICS PRODUCTS					
30 392069	PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	24,309,835	22,264,000	-2,045,835	-8.42	72.58
30 392690*	ARTICLES OF PLASTICS, NESOI	7,985,373	13,228,513	5,243,140	65.66	12.74
30 392062	PLATES ETC, NONCELL ETC, POLYETHYLENE TEREPHTHLATE	4,005,406	1,972,053	-2,033,353	-50.77	4.27
	MISC. MANUFACTURING INDUSTRIES					
39 950632	GOLF BALLS	22,341,798	14,220,117	-8,121,681	-36.35	40.35
39 392690*	ARTICLES OF PLASTICS, NESOI	7,985,373	13,228,513	5,243,140	65.66	12.74
39 340600	CANDLES, TAPERS AND THE LIKE	5,131,510	5,293,858	162,348	3.16	70.31
	USED OR SECOND-HAND MERCHANDISE					
92 970110	PAINTINGS, DRAWING AND PASTELS BY HAND	3,084,671	26,209,304	23,124,633	749.66	3.99
92 970300	ORIGINAL SCULPTURES AND STATUARY, IN ANY MATERIAL	234,375	518,374	283,999	121.17	1.19
92 970600	ANTIQUES OF AN AGE EXCEEDING ONE HUNDRED YEARS	1,069,554	409,378	-660,176	-61.72	0.28
	SPECIAL CLASSIFICATION PROVISIONS, NSPF					
99 852431	LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE	18,175,167	11,327,888	-6,847,279	-37.67	16.19
99 852499*	RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	8,686,923	7,320,526	-1,366,397	-15.73	14.09
99 980110	VALUE OF REPAIR/ALTER ARTICLES PREVIOUS IMPORTED	4,139,730	5,043,928	904,198	21.84	2.27

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# MA Export Industries to United Kingdom by Leading Commodity Components Top 5 Growth and Loss Industries 1999-2000

SIC HS 6	TOP 5 GROWTH INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER					
36 853221	TANTALUM ELECTROLYTIC FIXED CAPACITORS	1,208,758	36,115,589	34,906,831	2,887.83	66.60
36 901819	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	19,513,757	41,483,589	21,969,832	112.59	32.02
36 851780	ELECTRIC TELEPHONIC & TELEGRAPHIC APPARATUS, NESOI	1,656,387	11,596,134	9,939,747	600.09	55.55
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	57,311,641	67,379,339	10,067,698	17.57	8.11
35 847170	AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I	4,860,051	14,847,066	9,987,015	205.49	6.32
35 847190	ADP MAC&UNTS THEREOF;MAG/OPT RDER,TRNSCRB,PROC DAT	15,924,638	25,566,433	9,641,795	60.55	17.91
	INSTRUMENTS AND RELATED PRODUCTS					
38 901819	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	19,513,757	41,483,589	21,969,832	112.59	32.02
	PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	6,593,184	18,347,326	11,754,142	178.28	89.07
38 902119	ORTHPDC/FRACTR APPL (EX ART JOINT/PT),PT & ACCESS	1,922,688	12,339,336	10,416,648	541.78	37.47
	USED OR SECOND-HAND MERCHANDISE					
	PAINTINGS, DRAWING AND PASTELS BY HAND	3,084,671	26,209,304	23,124,633	749.66	3.99
92 970300	ORIGINAL SCULPTURES AND STATUARY, IN ANY MATERIAL	234,375	518,374	283,999	121.17	1.19
92 970190	COLLAGES AND SIMILAR DECORATIVE PLAQUES	48,600	295,942	247,342	508.93	0.87
	PRIMARY METAL INDUSTRIES					
33 710812	GOLD, NONMONETARY, UNWROUGHT NESOI	25,930	26,841,500	26,815,570	103,415.23	2.69
33 810390	TANTALUM AND ARTICLES THEREOF, NESOI	1,157,337	3,188,230	2,030,893	175.48	62.65
33 854459	ELEC COND OV 80V NOV 1000V NOT FITTED W CONNECTOR	1,906,151	3,801,589	1,895,438	99.44	26.35
SIC HS 6	TOP 5 INDUSTRY LOSSES	1999	2000	INCR 99-00	%INCR	% OF US
SIC HS 6	TOP 5 INDUSTRY LOSSES CHEMICALS AND ALLIED PRODUCTS	1999	2000	INCR 99-00	%INCR	% OF US
		<b>1999</b> 156,938,494	<b>2000</b> 130,005,012	INCR 99-00 -26,933,482	%INCR -17.16	<b>% OF US</b> 16.69
28 300490	CHEMICALS AND ALLIED PRODUCTS					
28 300490 28 300339	CHEMICALS AND ALLIED PRODUCTS MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	156,938,494	130,005,012	-26,933,482	-17.16	16.69
28 300490 28 300339	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES	156,938,494 3,435,916	130,005,012	-26,933,482 -3,435,916	-17.16 -100.00	16.69
28 300490 28 300339 28 321410	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  MASTICS; PAINTERS' FILLINGS	156,938,494 3,435,916	130,005,012	-26,933,482 -3,435,916	-17.16 -100.00	16.69
28 300490 28 300339 28 321410 20 220290	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS	156,938,494 3,435,916 1,734,463	130,005,012 0 622,717	-26,933,482 -3,435,916 -1,111,746	-17.16 -100.00 -64.10	16.69 0.00 15.62
28 300490 28 300339 28 321410 20 220290 20 200930	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI	156,938,494 3,435,916 1,734,463 19,412,217	130,005,012 0 622,717 854,143	-26,933,482 -3,435,916 -1,111,746 -18,558,074	-17.16 -100.00 -64.10	16.69 0.00 15.62 53.10
28 300490 28 300339 28 321410 20 220290 20 200930	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI  MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES  MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI  CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268	130,005,012 0 622,717 854,143 4,735	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533	-17.16 -100.00 -64.10 -95.60 -99.87	16.69 0.00 15.62 53.10 4.12
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS FOOD AND KINDRED PRODUCTS NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268	130,005,012 0 622,717 854,143 4,735	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533	-17.16 -100.00 -64.10 -95.60 -99.87	16.69 0.00 15.62 53.10 4.12
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED FABRICATED METAL PRODUCTS	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415	130,005,012 0 622,717 854,143 4,735 0	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00	16.69 0.00 15.62 53.10 4.12 0.00
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED  FABRICATED METAL PRODUCTS  SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415	130,005,012 0 622,717 854,143 4,735 0 4,595,080	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00	16.69 0.00 15.62 53.10 4.12 0.00
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED  FABRICATED METAL PRODUCTS  SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790 34 821210	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED FABRICATED METAL PRODUCTS  SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS RAZORS	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790 34 821210 99 852431	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED  FABRICATED METAL PRODUCTS SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648 78,064,562	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141 75,179,700	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507 -2,884,862	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55 -3.70	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71 98.97
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790 34 821210 99 852431 99 852433	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED  FABRICATED METAL PRODUCTS  SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648 78,064,562 18,175,167	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141 75,179,700 11,327,888	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507 -2,884,862 -6,847,279	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55 -3.70	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71 98.97
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790 34 821210 99 852431 99 852439 99 852499	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED  FABRICATED METAL PRODUCTS  SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE DISCS FOR LASER READING SYSTEMS, NESOI	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648 78,064,562 18,175,167 3,124,030	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141 75,179,700 11,327,888 1,327,652	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507 -2,884,862 -6,847,279 -1,796,378	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55 -3.70 -37.67 -57.50	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71 98.97 16.19 6.51
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790 34 821210 99 852431 99 852433	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED FABRICATED METAL PRODUCTS SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE DISCS FOR LASER READING SYSTEMS, NESOI **RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648 78,064,562 18,175,167 3,124,030	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141 75,179,700 11,327,888 1,327,652	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507 -2,884,862 -6,847,279 -1,796,378	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55 -3.70 -37.67 -57.50	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71 98.97 16.19 6.51
28 300490 28 300339 28 321410 20 220290 20 200930 20 151590 34 821220 34 890790 34 821210 99 852431 99 852439 99 852499	CHEMICALS AND ALLIED PRODUCTS  MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI MEDICAMENT CONT HORMONES, NO ANTIBIOTICS, NO DOSES MASTICS; PAINTERS' FILLINGS  FOOD AND KINDRED PRODUCTS  NONALCOHOLIC BEVERAGES, NESOI CITRUS FRUIT JUICE FROM A SINGLE FRUIT, NESOI FIXED VEG OIL, REF OR NOT, NESOI, NT CHEM MODIFIED FABRICATED METAL PRODUCTS SAFETY RAZOR BLADES AND BLADE BLANKS IN STRIPS FLOATING STRUCTURES EXCEPT INFLATABLE RAFTS RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE DISCS FOR LASER READING SYSTEMS, NESOI RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI FISHING, HUNTING, AND TRAPPING	156,938,494 3,435,916 1,734,463 19,412,217 3,692,268 165,415 10,544,140 3,036,648 78,064,562 18,175,167 3,124,030 8,686,923	130,005,012 0 622,717 854,143 4,735 0 4,595,080 44,141 75,179,700 11,327,888 1,327,652 7,320,526	-26,933,482 -3,435,916 -1,111,746 -18,558,074 -3,687,533 -165,415 -5,949,060 -2,992,507 -2,884,862 -6,847,279 -1,796,378 -1,366,397	-17.16 -100.00 -64.10 -95.60 -99.87 -100.00 -56.42 -98.55 -3.70 -37.67 -57.50 -15.73	16.69 0.00 15.62 53.10 4.12 0.00 40.78 1.71 98.97 16.19 6.51 14.09

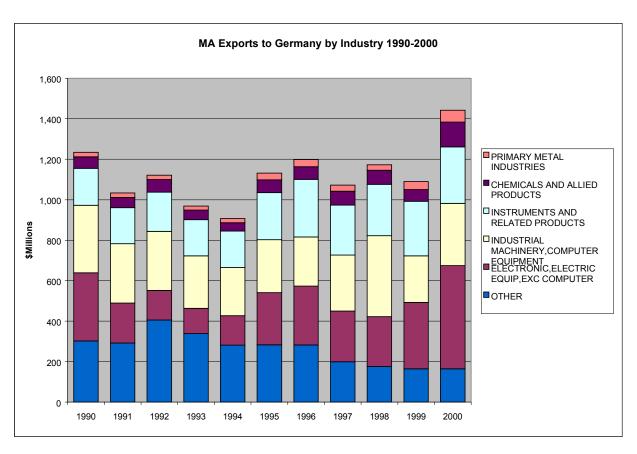
<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

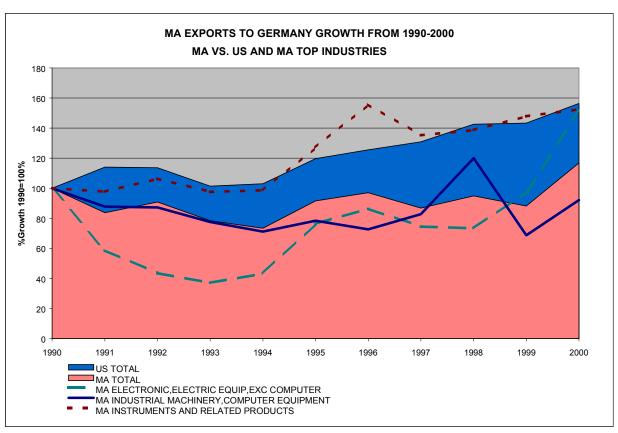
# MA Exports to United Kingdom by Commodity Leading Commodities by \$Value, Growth, Loss of Shipments 1999-2000

RANK	HS 6	TOP 20 COMMODITIES	1999	2000	INCR 99-00	%INCR	%US
1	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	232,142,690	214,709,792	-17,432,898	-7.51	9.46
2	300490	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	156,938,494	130,005,012	-26,933,482	-17.16	16.69
3	854213	METAL OXIDE SEMICONDUCTORS(MOS), MONO DIGITAL INTEG	111,424,568	106,316,261	-5,108,307	-4.58	8.12
4	821210	RAZORS	78,064,562	75,179,700	-2,884,862	-3.70	98.97
5	847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	57,311,641	67,379,339	10,067,698	17.57	8.11
6	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	54,366,817	62,406,613	8,039,796	14.79	18.21
7	902111	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	50,733,397	43,279,684	-7,453,713	-14.69	41.10
8	901819	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	19,513,757	41,483,589	21,969,832	112.59	32.02
9	854230	ELECTRONIC MONOLITHIC INTEGRATED CIRCUIT, N.E.S.O.I	33,822,369	40,391,700	6,569,331	19.42	19.99
10	853221	TANTALUM ELECTROLYTIC FIXED CAPACITORS	1,208,758	36,115,589	34,906,831	2,887.83	66.60
11	851750	TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	46,861,218	32,547,438	-14,313,780	-30.55	10.09
12	847149	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	22,860,589	32,332,934	9,472,345	41.44	12.56
13	710812	GOLD, NONMONETARY, UNWROUGHT NESOI	25,930	26,841,500	26,815,570	103,415.23	2.69
14	970110	PAINTINGS, DRAWING AND PASTELS BY HAND	3,084,671	26,209,304	23,124,633	749.66	3.99
15	847190	ADP MAC&UNTS THEREOF;MAG/OPT RDER,TRNSCRB,PROC DAT	15,924,638	25,566,433	9,641,795	60.55	17.91
16	854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	22,738,228	22,684,109	-54,119	-0.24	36.65
17	903040	OTH INST, SPECIALLY DESIGNED FOR TELECOMMUNICATION	12,814,201	22,401,541	9,587,340	74.82	19.20
18	392069	PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	24,309,835	22,264,000	-2,045,835	-8.42	72.58
19	900691	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS	28,502,836	19,410,101	-9,092,735	-31.90	85.33
20	370241	PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	6,593,184	18,347,326	11,754,142	178.28	89.07
RANK		TOP 10 COMMODITY GAINS	1999	2000	INCR 99-00	%INCR	%US
		TANTALUM ELECTROLYTIC FIXED CAPACITORS	1,208,758	36,115,589	34,906,831	2,887.83	66.60
		GOLD, NONMONETARY, UNWROUGHT NESOI	25,930	26,841,500	26,815,570		2.69
		PAINTINGS, DRAWING AND PASTELS BY HAND	3,084,671	26,209,304	23,124,633	749.66	3.99
		ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	19,513,757	41,483,589	21,969,832	112.59	32.02
		PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	6,593,184	18,347,326	11,754,142	178.28	89.07
		ORTHPDC/FRACTR APPL (EX ART JOINT/PT),PT & ACCESS	1,922,688	12,339,336	10,416,648	541.78	37.47
		AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	57,311,641	67,379,339	10,067,698	17.57	8.11
		AUTOMATIC DATA PROCESSING STORAGE UNITS, N.E.S.O.I	4,860,051	14,847,066	9,987,015	205.49	6.32
		ELECTRIC TELEPHONIC & TELEGRAPHIC APPARATUS, NESOI	1,656,387	11,596,134	9,939,747	600.09	55.55
10	847190	ADP MAC&UNTS THEREOF;MAG/OPT RDER,TRNSCRB,PROC DAT	15,924,638	25,566,433	9,641,795	60.55	17.91
	UC C	TOP 10 COMMODITY LOSSES	1000	2000	INCD 00 00	0/ INCD	0/116
1	HS 6	MEDICAMENTS NESOI, MEASURED DOSES, RETAIL PK NESOI	1999	<b>2000</b> 130,005,012	INCR 99-00	%INCR	%US
			156,938,494		-26,933,482	-17.16	16.69
		NONALCOHOLIC BEVERAGES, NESOI	19,412,217	854,143	-18,558,074	-95.60	53.10
		PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	232,142,690	214,709,792	-17,432,898	-7.51	9.46
		SILVER, UNWROUGHT NESOI	15,959,958	40,608	-15,919,350	-99.75	0.24
		TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	46,861,218	32,547,438	-14,313,780	-30.55	10.09
		INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ	10,778,690	1,205,311	-9,573,379	-88.82	7.35
		PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS	28,502,836	19,410,101	-9,092,735	-31.90	85.33
		GOLF BALLS	22,341,798	14,220,117	-8,121,681	-36.35	40.35
		TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	25,524,948	17,621,763	-7,903,185	-30.96	14.58
10	902111	ARTIFICIAL JOINTS AND PARTS AND ACCESSORIES	50,733,397	43,279,684	-7,453,713	-14.69	41.10

# Massachusetts Exports to Germany by Industry 1999-2000 Leading Industries by \$Value, Growth, Loss of Shipments

RANK	CTOP 20 INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL INDUSTRIES	1,089,427,404	1,442,274,766	-7.04	32.39	352,847,362	4.93
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	328,126,895	509,625,711	32.79	55.31	181,498,816	13.56
2	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	229,657,979	307,780,513	-42.64	34.02	78,122,534	4.64
3	INSTRUMENTS AND RELATED PRODUCTS	269,985,353	278,628,105	6.59	3.20	8,642,752	7.77
4	CHEMICALS AND ALLIED PRODUCTS	57,273,896	122,792,318	-17.49	114.39	65,518,422	4.81
5	PRIMARY METAL INDUSTRIES	39,590,765	58,551,305	50.26	47.89	18,960,540	10.77
6	RUBBER AND MISC. PLASTICS PRODUCTS	34,139,899	32,552,800	10.95	-4.65	-1,587,099	6.12
7	SPECIAL CLASSIFICATION PROVISIONS, NSPF	29,315,897	22,650,269	617.17	-22.74	-6,665,628	8.47
8	TRANSPORTATION EQUIPMENT	8,484,422	16,454,735	34.77	93.94	7,970,313	0.24
9	FABRICATED METAL PRODUCTS	21,555,097	13,800,309	-40.58	-35.98	-7,754,788	2.24
10	MISC. MANUFACTURING INDUSTRIES	10,926,739	12,192,582	-36.20	11.58	1,265,843	3.53
11	CHARITY, MILITARY NIK, SHIPMENTS<10K NIK	3,728,234	11,863,724	11.10	218.21	8,135,490	3.67
12	STONE, CLAY, AND GLASS PRODUCTS	10,544,386	10,614,407	-7.17	0.66	70,021	2.53
13	PAPER AND ALLIED PRODUCTS	8,963,771	9,313,502	6.96	3.90	349,731	1.68
14	FISHING, HUNTING, AND TRAPPING	7,678,051	8,930,629	-18.87	16.31	1,252,578	19.90
15	TEXTILE MILL PRODUCTS	6,014,307	6,035,858	-36.21	0.36	21,551	4.65
16	PRINTING AND PUBLISHING	7,403,660	5,336,497	-17.34	-27.92	-2,067,163	4.68
17	SCRAP AND WASTE	3,724,942	3,768,025	-62.89	1.16	43,083	2.30
18	FURNITURE AND FIXTURES	1,885,543	3,691,567	3.44	95.78	1,806,024	4.47
19	FOOD AND KINDRED PRODUCTS	531,985	2,124,631	-30.08	299.38	1,592,646	0.66
20	USED OR SECOND-HAND MERCHANDISE	1,835,926	2,116,046	-75.94	15.26	280,120	0.69
			, ,			,	
RANK	( TOP 10 GROWTH INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TO TO STOTE THE STOTE ST	1333	2000	/000 00	,,,,,,	ψII ICI 33-00	7003
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	328,126,895	509,625,711	32.79	55.31	181,498,816	13.56
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	328,126,895	509,625,711	32.79	55.31	181,498,816	13.56
1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	328,126,895 229,657,979	509,625,711 307,780,513	32.79 -42.64	55.31 34.02	181,498,816 78,122,534	13.56 4.64
1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS	328,126,895 229,657,979 57,273,896	509,625,711 307,780,513 122,792,318	32.79 -42.64 -17.49	55.31 34.02 114.39	181,498,816 78,122,534 65,518,422	13.56 4.64 4.81
1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES	328,126,895 229,657,979 57,273,896 39,590,765	509,625,711 307,780,513 122,792,318 58,551,305	32.79 -42.64 -17.49 50.26	55.31 34.02 114.39 47.89	181,498,816 78,122,534 65,518,422 18,960,540	13.56 4.64 4.81 10.77
1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105	32.79 -42.64 -17.49 50.26 6.59	55.31 34.02 114.39 47.89 3.20	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752	13.56 4.64 4.81 10.77 7.77
1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724	32.79 -42.64 -17.49 50.26 6.59 11.10	55.31 34.02 114.39 47.89 3.20 218.21	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490	13.56 4.64 4.81 10.77 7.77 3.67
1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77	55.31 34.02 114.39 47.89 3.20 218.21 93.94	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313	13.56 4.64 4.81 10.77 7.77 3.67 0.24
1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47
1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53
1 2 3 4 5 6 7 8 9 10 RANF	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53
1 2 3 4 5 6 7 8 9 10 <b>RANF</b>	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739 1999 21,555,097	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843 \$Incr 99-00 -7,754,788	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53
1 2 3 4 5 6 7 8 9 10 <b>RANF</b> 1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739 21,555,097 29,315,897	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58 617.17	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 **99-00 -35.98 -22.74	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843 \$Incr 99-00 -7,754,788 -6,665,628	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 **WUS 2.24 8.47
1 2 3 4 5 6 7 8 9 10 <b>RANF</b> 1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LEATHER AND LEATHER PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739 21,555,097 29,315,897 4,705,270	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269 1,858,552	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58 617.17 -2.25	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 **99-00 -35.98 -22.74 -60.50	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843 \$Incr 99-00 -7,754,788 -6,665,628 -2,846,718	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 **US* 2.24 8.47 4.39
1 2 3 4 5 6 7 8 9 10 <b>RANF</b> 1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LEATHER AND LEATHER PRODUCTS PRINTING AND PUBLISHING	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739 21,555,097 29,315,897 4,705,270 7,403,660	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269 1,858,552 5,336,497	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58 617.17 -2.25 -17.34	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 **99-00 -35.98 -22.74 -60.50 -27.92	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843  \$Incr 99-00 -7,754,788 -6,665,628 -2,846,718 -2,067,163	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 <b>%US</b> 2.24 8.47 4.39 4.68
1 2 3 4 5 6 7 8 9 10 <b>RANF</b> 1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LEATHER AND LEATHER PRODUCTS PRINTING AND PUBLISHING RUBBER AND MISC. PLASTICS PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739 21,555,097 29,315,897 4,705,270 7,403,660 34,139,899	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269 1,858,552 5,336,497 32,552,800	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58 617.17 -2.25 -17.34 10.95	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 **99-00 -35.98 -22.74 -60.50 -27.92 -4.65	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843  \$Incr 99-00 -7,754,788 -6,665,628 -2,846,718 -2,067,163 -1,587,099	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 **US 2.24 8.47 4.39 4.68 6.12
1 2 3 4 5 6 6 7 8 9 10 <b>RANF</b> 1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  K TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LEATHER AND LEATHER PRODUCTS PRINTING AND PUBLISHING RUBBER AND MISC. PLASTICS PRODUCTS LUMBER AND WOOD PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739  21,555,097 29,315,897 4,705,270 7,403,660 34,139,899 1,212,082	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269 1,858,552 5,336,497 32,552,800 271,118	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  **98-99 -40.58 617.17 -2.25 -17.34 10.95 -18.22	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 **99-00 -35.98 -22.74 -60.50 -27.92 -4.65 -77.63	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843  \$Incr 99-00 -7,754,788 -6,665,628 -2,846,718 -2,067,163 -1,587,099 -940,964	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 **US 2.24 8.47 4.39 4.68 6.12 0.12
1 2 3 4 5 6 7 8 9 10 <b>RANF</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS<10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LEATHER AND LEATHER PRODUCTS PRINTING AND PUBLISHING RUBBER AND MISC. PLASTICS PRODUCTS LUMBER AND WOOD PRODUCTS PETROLEUM AND COAL PRODUCTS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739  21,555,097 29,315,897 4,705,270 7,403,660 34,139,899 1,212,082 753,098	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269 1,858,552 5,336,497 32,552,800 271,118 260,130	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58 617.17 -2.25 -17.34 10.95 -18.22 733.47	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 <b>%99-00</b> -35.98 -22.74 -60.50 -27.92 -4.65 -77.63 -65.46	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843  \$Incr 99-00 -7,754,788 -6,665,628 -2,846,718 -2,067,163 -1,587,099 -940,964 -492,968	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 **WUS 2.24 8.47 4.39 4.68 6.12 0.87
1 2 3 4 5 6 7 8 9 10 <b>RANF</b> 1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT CHEMICALS AND ALLIED PRODUCTS PRIMARY METAL INDUSTRIES INSTRUMENTS AND RELATED PRODUCTS CHARITY, MILITARY NIK, SHIPMENTS < 10K NIK TRANSPORTATION EQUIPMENT FURNITURE AND FIXTURES FOOD AND KINDRED PRODUCTS MISC. MANUFACTURING INDUSTRIES  (TOP 10 LOSSES BY INDUSTRY FABRICATED METAL PRODUCTS SPECIAL CLASSIFICATION PROVISIONS, NSPF LEATHER AND LEATHER PRODUCTS PRINTING AND PUBLISHING RUBBER AND MISC. PLASTICS PRODUCTS LUMBER AND WOOD PRODUCTS PETROLEUM AND COAL PRODUCTS NONMETALLIC MINERALS, EXCEPT FUELS	328,126,895 229,657,979 57,273,896 39,590,765 269,985,353 3,728,234 8,484,422 1,885,543 531,985 10,926,739  21,555,097 29,315,897 4,705,270 7,403,660 34,139,899 1,212,082 753,098 232,417	509,625,711 307,780,513 122,792,318 58,551,305 278,628,105 11,863,724 16,454,735 3,691,567 2,124,631 12,192,582 2000 13,800,309 22,650,269 1,858,552 5,336,497 32,552,800 271,118 260,130 35,781	32.79 -42.64 -17.49 50.26 6.59 11.10 34.77 3.44 -30.08 -36.20  %98-99 -40.58 617.17 -2.25 -17.34 10.95 -18.22 733.47 -85.77	55.31 34.02 114.39 47.89 3.20 218.21 93.94 95.78 299.38 11.58 **99-00 -35.98 -22.74 -60.50 -27.92 -4.65 -77.63 -65.46 -84.60	181,498,816 78,122,534 65,518,422 18,960,540 8,642,752 8,135,490 7,970,313 1,806,024 1,592,646 1,265,843  \$Incr 99-00 -7,754,788 -6,665,628 -2,846,718 -2,067,163 -1,587,099 -940,964 -492,968 -196,636	13.56 4.64 4.81 10.77 7.77 3.67 0.24 4.47 0.66 3.53 **US 2.24 8.47 4.39 4.68 6.12 0.12 0.87 0.07





## MA Export Industries to Germany by Leading Commodity Components Top 10 Industries Sorted by \$Value 2000

SIC HS 6	TOP 10 INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	77,683,771	148,945,795	71,262,024	91.73	56.20
36 901819*	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	71,773,308	56,916,957	-14,856,351	-20.70	15.48
36 854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	21,012,115	36,669,003	15,656,888	74.51	59.34
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	44,639,052	57,100,390	12,461,338	27.92	3.27
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	13,308,210	39,932,662	26,624,452	200.06	89.66
35 847149*	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	11,825,785	22,903,945	11,078,160	93.68	10.40
	INSTRUMENTS AND RELATED PRODUCTS					
38 901819*	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	71,773,308	56,916,957	-14,856,351	-20.70	15.48
38 903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	14,060,707	33,533,335	19,472,628	138.49	33.09
38 901890	INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	22,396,100	23,376,177	980,077	4.38	10.43
	CHEMICALS AND ALLIED PRODUCTS					
28 300220	VACCINES FOR HUMAN MEDICINE	117,442	28,406,006	28,288,564	24,087.26	46.47
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	7,529,366	26,997,623	19,468,257	258.56	5.54
28 300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	17,377,077	23,934,926	6,557,849	37.74	14.62
	PRIMARY METAL INDUSTRIES					
33 722020	FLAT-ROLLED STNLS STL UND 600MM WIDE, CLD-RLD	7,455,413	23,089,364	15,633,951	209.70	78.98
33 854411	INSULATED WINDING WIRE OF COPPER	7,002,003	8,243,878	1,241,875	17.74	78.24
33 810390	TANTALUM AND ARTICLES THEREOF, NESOI	9,649,032	7,548,000	-2,101,032	-21.77	68.80
	RUBBER AND MISC. PLASTICS PRODUCTS					
30 392690*	ARTICLES OF PLASTICS, NESOI	4,942,343	6,519,552	1,577,209	31.91	6.30
30 590699	RUBBERIZED TEXT FABRIC NESOI, NOT KNIT OR CROCHET	6,879,642	5,717,855	-1,161,787	-16.89	91.79
30 391729	TUBES, PIPES & HOSES, RIGID, OF PLASTIC NESOI	2,397,833	4,783,559	2,385,726	99.50	74.86
	SPECIAL CLASSIFICATION PROVISIONS, NSPF					
99 852499*	RECORDED MEDIA FOR REPRODUCING SND OR IMAGE, NESOI	8,837,379	10,038,504	1,201,125	13.59	27.79
99 852431	LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE	13,809,465	6,040,215	-7,769,250	-56.26	11.12
99 980110	VALUE OF REPAIR/ALTER ARTICLES PREVIOUS IMPORTED	2,947,292	3,627,141	679,849	23.07	3.07
	TRANSPORTATION EQUIPMENT					
37 841191*	TURBOJET AND TURBOPROLLER PARTS	1,909,457	7,983,250	6,073,793	318.09	1.00
37 841111*	TURBOJETS OF A THRUST NOT EXCEEDING 25 KN	450,000	2,014,480	1,564,480	347.66	6.06
37 880330	PARTS OF AIRPLANES OR HELICOPTERS, NESOI	985,012	1,291,020	306,008	31.07	0.16
	FABRICATED METAL PRODUCTS					
34 741021	COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER	5,111,479	2,463,885	-2,647,594	-51.80	30.08
34 820220	BANDSAW BLADES, AND BASE METAL PARTS THEREOF	379,514	1,467,174	1,087,660	286.59	55.69
34 930690	BOMB MINES OT AMMNTION PROJECTIONS ETC AND PARTS	4,153,543	1,415,828	-2,737,715	-65.91	1.73
	MISC. MANUFACTURING INDUSTRIES					
39 392690*	ARTICLES OF PLASTICS, NESOI	4,942,343	6,519,552	1,577,209	31.91	6.30
39 854389*	ELECTRICAL MACH & APPAR, HAVING INDIVDUL FUNC, NESOI	3,112,728	5,211,218	2,098,490	67.42	9.46
39 950639	GOLF EQUIP EX CLUBS & BALLS; PARTS AND ACCESSORIES	2,115,506	2,929,972	814,466	38.50	60.81

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# MA Export Industries to Germany by Leading Commodity Components Top 5 Growth and Loss Industries 1999-2000

SIC HS 6	TOP 5 GROWTH INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	77,683,771	148,945,795	71,262,024	91.73	56.20
36 851840	AUDIO-FREQUENCY ELECTRIC AMPLIFIERS	2,389,494	32,926,981	30,537,487	1,277.99	56.11
36 851822	MULTIPLE LOUDSPEAKERS, MOUNTED IN SAME ENCLOSURE	1,556,520	20,925,458	19,368,938	1,244.37	76.30
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	13,308,210	39,932,662	26,624,452	200.06	89.66
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	44,639,052	57,100,390	12,461,338	27.92	3.27
35 847990	PTS OF MACH/MECHNCL APPL W INDVDUL FUNCTION NESOI	7,959,048	19,095,076	11,136,028	139.92	9.74
	CHEMICALS AND ALLIED PRODUCTS					
28 300220	VACCINES FOR HUMAN MEDICINE	117,442	28,406,006	28,288,564	24,087.26	46.47
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	7,529,366	26,997,623	19,468,257	258.56	5.54
28 300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	17,377,077	23,934,926	6,557,849	37.74	14.62
	PRIMARY METAL INDUSTRIES					
33 722020	FLAT-ROLLED STNLS STL UND 600MM WIDE, CLD-RLD	7,455,413	23,089,364	15,633,951	209.70	78.98
33 280461	SILICON CONTAIN BY WT NT < 99.99% OF SILICON	730,487	3,696,436	2,965,949	406.02	37.44
33 854411	INSULATED WINDING WIRE OF COPPER	7,002,003	8,243,878	1,241,875	17.74	78.24
	INSTRUMENTS AND RELATED PRODUCTS					
38 903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	14,060,707	33,533,335	19,472,628	138.49	33.09
38 903290	PTS, AUTOM REGULATING/CONTROLLING INST & APPRTS	1,175,130	11,114,045	9,938,915	845.77	28.29
38 902290	* X-RAY/HI TNSN GENR CNTR PNL & DSK EXM/TRTMNT TB PT	1,195,926	4,771,405	3,575,479	298.97	3.97
SIC HS 6	TOP 5 INDUSTRY LOSSES	1999	2000	INCR 99-00	%INCR	% OF US
	FABRICATED METAL PRODUCTS					
34 930690	FABRICATED METAL PRODUCTS BOMB MINES OT AMMNTION PROJECTIONS ETC AND PARTS	4,153,543	1,415,828	-2,737,715	-65.91	1.73
34 930690 34 741021	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER				-65.91 -51.80	1.73 30.08
34 930690	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER  RAZORS	4,153,543	1,415,828	-2,737,715	-65.91	1.73
34 930690 34 741021 34 821210	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER  RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF	4,153,543 5,111,479 3,689,937	1,415,828 2,463,885 1,311,359	-2,737,715 -2,647,594 -2,378,578	-65.91 -51.80 -64.46	1.73 30.08 64.55
34 930690 34 741021 34 821210 99 852431	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJECTIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER  RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE	4,153,543 5,111,479 3,689,937 13,809,465	1,415,828 2,463,885 1,311,359 6,040,215	-2,737,715 -2,647,594 -2,378,578 -7,769,250	-65.91 -51.80 -64.46	1.73 30.08 64.55
34 930690 34 741021 34 821210 99 852431 99 852491	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130	-65.91 -51.80 -64.46 -56.26 -28.90	1.73 30.08 64.55 11.12 5.38
34 930690 34 741021 34 821210 99 852431 99 852491	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE	4,153,543 5,111,479 3,689,937 13,809,465	1,415,828 2,463,885 1,311,359 6,040,215	-2,737,715 -2,647,594 -2,378,578 -7,769,250	-65.91 -51.80 -64.46	1.73 30.08 64.55
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE LEATHER AND LEATHER PRODUCTS	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130	-65.91 -51.80 -64.46 -56.26 -28.90	1.73 30.08 64.55 11.12 5.38
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415	-65.91 -51.80 -64.46 -56.26 -28.90	1.73 30.08 64.55 11.12 5.38 12.81 45.90
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE LEATHER AND LEATHER PRODUCTS	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75	1.73 30.08 64.55 11.12 5.38 12.81
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I * MAGNETIC TAPE, SND OR IMAGE, RECORDED, OVR 6.5MM WIDE LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI TRUNKS, SUITCASES, VANITY CASES ETC, NESOI BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75	1.73 30.08 64.55 11.12 5.38 12.81 45.90
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJCTIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS, FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I * MAGNETIC TAPE, SND OR IMAGE, RECORDED, OVR 6.5MM WIDE LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI TRUNKS, SUITCASES, VANITY CASES ETC, NESOI	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219 31 410439 27 490199	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJECTIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER  RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE  OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE  LEATHER AND LEATHER PRODUCTS  FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI  TRUNKS, SUITCASES, VANITY CASES ETC, NESOI  BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING  PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06 -98.52	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30 0.23
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219 31 410439 27 490199	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER  RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE  OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE  LEATHER AND LEATHER PRODUCTS  FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI  TRUNKS, SUITCASES, VANITY CASES ETC, NESOI  BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING  PRINTING AND PUBLISHING	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272 242,570 4,939,666 469,523	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993 3,600	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279 -238,970	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06 -98.52	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30 0.23
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219 31 410439 27 490199 27 491110	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI TRUNKS, SUITCASES, VANITY CASES ETC, NESOI BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI TRADE ADVERTISING MATERIAL, COMMERCIAL CATALOG ETC ROLL/SHEET/DIAL PRINTED FR SELF-RECORDNG APPR, PPR	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272 242,570 4,939,666	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993 3,600 3,062,739	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279 -238,970 -1,876,927	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06 -98.52	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30 0.23
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219 31 410439 27 490199 27 491110 27 482340	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE  LEATHER AND LEATHER PRODUCTS  FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI TRUNKS, SUITCASES, VANITY CASES ETC, NESOI BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI TRADE ADVERTISING MATERIAL, COMMERCIAL CATALOG ETC ROLL/SHEET/DIAL PRINTED FR SELF-RECORDNG APPR, PPR RUBBER AND MISC. PLASTICS PRODUCTS	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272 242,570 4,939,666 469,523	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993 3,600 3,062,739 258,871	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279 -238,970 -1,876,927 -210,652 -39,384	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06 -98.52 -38.00 -44.87	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30 0.23 8.52 3.23
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219 31 410439 27 490199 27 491110 27 482340 30 590699	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE  LEATHER AND LEATHER PRODUCTS FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI TRUNKS, SUITCASES, VANITY CASES ETC, NESOI BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING PRINTING AND PUBLISHING PRINTED BOOKS, BROCHURES, ETC., NESOI TRADE ADVERTISING MATERIAL, COMMERCIAL CATALOG ETC ROLL/SHEET/DIAL PRINTED FR SELF-RECORDNG APPR, PPR RUBBER AND MISC. PLASTICS PRODUCTS RUBBERIZED TEXT FABRIC NESOI, NOT KNIT OR CROCHET	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272 242,570 4,939,666 469,523	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993 3,600 3,062,739 258,871	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279 -238,970 -1,876,927 -210,652	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06 -98.52 -38.00 -44.87	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30 0.23 8.52 3.23 0.00
34 930690 34 741021 34 821210 99 852431 99 852491 99 852453 31 640399 31 420219 31 410439 27 490199 27 491110 27 482340 30 590699 30 391731	FABRICATED METAL PRODUCTS  BOMB MINES OT AMMNTION PROJETIONS ETC AND PARTS  COPPER FOIL, NOV.15MM THICK, BACKED, REFIN COPPER RAZORS  SPECIAL CLASSIFICATION PROVISIONS, NSPF  LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE OHTR RECORDED MEDIA,NESOI,FOR REPROD OTHR THAN S/I  * MAGNETIC TAPE,SND OR IMAGE,RECORDED,OVR 6.5MM WIDE  LEATHER AND LEATHER PRODUCTS  FOOTWEAR, OUTER SOLE RUB ETC & LEATHER UPPER NESOI TRUNKS, SUITCASES, VANITY CASES ETC, NESOI BOVINE & EQUINE LEATHER NESOI, PREPRD AFTR TANNING PRINTING AND PUBLISHING  PRINTED BOOKS, BROCHURES, ETC., NESOI TRADE ADVERTISING MATERIAL, COMMERCIAL CATALOG ETC ROLL/SHEET/DIAL PRINTED FR SELF-RECORDNG APPR, PPR RUBBER AND MISC. PLASTICS PRODUCTS	4,153,543 5,111,479 3,689,937 13,809,465 2,647,146 239,499 1,503,100 526,272 242,570 4,939,666 469,523 39,384	1,415,828 2,463,885 1,311,359 6,040,215 1,882,016 86,826 350,685 25,993 3,600 3,062,739 258,871 0	-2,737,715 -2,647,594 -2,378,578 -7,769,250 -765,130 -152,673 -1,152,415 -500,279 -238,970 -1,876,927 -210,652 -39,384	-65.91 -51.80 -64.46 -56.26 -28.90 -63.75 -76.67 -95.06 -98.52 -38.00 -44.87 -100.00	1.73 30.08 64.55 11.12 5.38 12.81 45.90 0.30 0.23 8.52 3.23 0.00

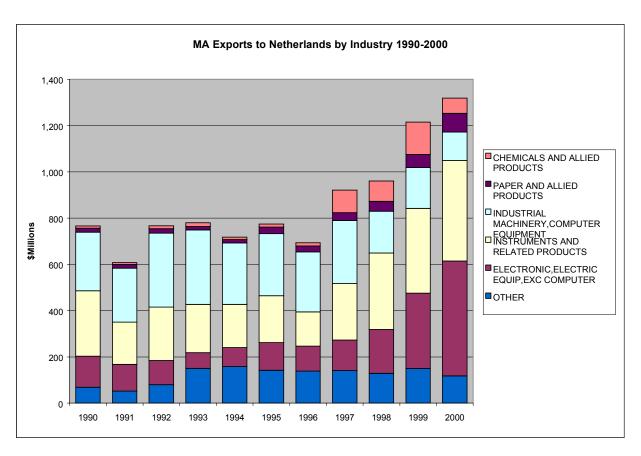
<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

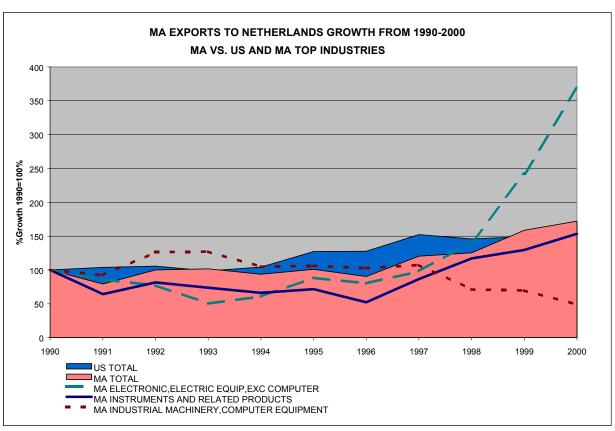
# MA Exports to Germany by Commodity Leading Commodities by \$Value, Growth, Loss of Shipments

RANK	HS 6	TOP 20 COMMODITIES	1999	2000	INCR 99-00	%INCR	%US
1	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	77,683,771	148,945,795	71,262,024	91.73	56.20
2	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	44,639,052	57,100,390	12,461,338	27.92	3.27
3	901819	ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	71,773,308	56,916,957	-14,856,351	-20.70	15.48
4	854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	13,308,210	39,932,662	26,624,452	200.06	89.66
5	854219	MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	21,012,115	36,669,003	15,656,888	74.51	59.34
6	903082	INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	14,060,707	33,533,335	19,472,628	138.49	33.09
7	851840	AUDIO-FREQUENCY ELECTRIC AMPLIFIERS	2,389,494	32,926,981	30,537,487	1,277.99	56.11
8	300220	VACCINES FOR HUMAN MEDICINE	117,442	28,406,006	28,288,564	24,087.26	46.47
9	382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	7,529,366	26,997,623	19,468,257	258.56	5.54
10	851730	TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	35,402,494	26,570,030	-8,832,464	-24.95	41.39
11	300210	ANTISERA AND BLOOD FRACTIONS, IMMUN PRODUCTS	17,377,077	23,934,926	6,557,849	37.74	14.62
12	901890	INSTR & APPL F MEDICAL SURGICAL DENTAL VET, NESOI	22,396,100	23,376,177	980,077	4.38	10.43
13	722020	FLAT-ROLLED STNLS STL UND 600MM WIDE, CLD-RLD	7,455,413	23,089,364	15,633,951	209.70	78.98
14	847149	DIGITAL ADP MAC & UNITS,ENTERED AS SYSTEMS, NESOI	11,825,785	22,903,945	11,078,160	93.68	10.40
15	851822	MULTIPLE LOUDSPEAKERS, MOUNTED IN SAME ENCLOSURE	1,556,520	20,925,458	19,368,938	1,244.37	76.30
16	854213	METAL OXIDE SEMICONDUCTORS(MOS),MONO DIGITAL INTEG	20,098,003	19,479,037	-618,966	-3.08	2.97
17	847990	PTS OF MACH/MECHNCL APPL W INDVDUL FUNCTION NESOI	7,959,048	19,095,076	11,136,028	139.92	9.74
18	847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	24,164,713	17,911,166	-6,253,547	-25.88	4.70
19	847190	ADP MAC&UNTS THEREOF;MAG/OPT RDER,TRNSCRB,PROC DAT	7,767,512	17,373,531	9,606,019	123.67	19.77
20	851829	LOUDSPEAKERS, NESOI	1,069,458	16,163,908	15,094,450	1,411.41	68.16
RANK	HS 6	TOP 10 COMMODITY GAINS	1999	2000	INCR 99-00	%INCR	%US
1	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	77,683,771	148,945,795	71,262,024	91.73	56.20
		AUDIO-FREQUENCY ELECTRIC AMPLIFIERS	2,389,494	32,926,981	30,537,487	1,277.99	56.11
		VACCINES FOR HUMAN MEDICINE	117,442	28,406,006	28,288,564	24,087.26	46.47
		PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	13,308,210	39,932,662	26,624,452	200.06	89.66
		INST TO CHECK SEMICONDUCT WAFERS &SUCH THAT RECORD	14,060,707	33,533,335	19,472,628	138.49	33.09
		COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	7,529,366	26,997,623	19,468,257	258.56	5.54
		MULTIPLE LOUDSPEAKERS, MOUNTED IN SAME ENCLOSURE	1,556,520	20,925,458	19,368,938	1,244.37	76.30
_		MONOLITHIC INTEGRATED CIRCUITS, DIGITAL, NESOI	21,012,115	36,669,003	15,656,888	74.51	59.34
9		FLAT-ROLLED STNLS STL UND 600MM WIDE, CLD-RLD	7,455,413	23,089,364	15,633,951	209.70	78.98
10	001029	LOUDSPEAKERS, NESOI	1,069,458	16,163,908	15,094,450	1,411.41	68.16
	HS 6	TOP 10 COMMODITY LOSSES	1999	2000	INCR 99-00	%INCR	%US
1		ELECTRO-DIAGNOSTIC APPARATUS NESOI, AND PARTS ETC.	71,773,308	56,916,957	-14,856,351	-20.70	15.48
		INST & APPRTS, MEASURE/CHECKING FLOW/LEVEL OF LIQ	15,146,825	2,847,051	-12,299,774	-81.20	16.33
		MAGNETIC TAPE UNRECORDED WIDTH EXCEEDING 6.5 MM	12,353,774	309,448	-12,044,326	-97.50	10.56
		PARTS FOR MACHINES OF HEADING 8465	18,758,935	7,354,329	-11,404,606	-60.80	59.76
5		TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	35,402,494	26,570,030	-8,832,464	-24.95	41.39
		INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	22,905,932	14,705,298	-8,200,634	-35.80	29.58
		LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE	13,809,465	6,040,215	-7,769,250	-56.26	11.12
		AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	24,164,713	17,911,166	-6,253,547	-25.88	4.70
		ULTRASONIC SCANNING APPARATUS	16,346,473	11,379,029	-4,967,444	-30.39	16.80
		TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	7,257,725	3,242,998	-4,907,444	-55.32	3.33
10	051750	TELECONINI AFFICIOS, CANNIEN-CUR & DIGITAL STSTIVI, NESUI	1,231,123	3,242,330	-4,014,727	-33.32	0.00

# Massachusetts Exports to Netherlands by Industry 1999-2000 Leading Industries by \$Value, Growth, Loss of Shipments

RANK	TOP 20 INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
	TOTAL ALL INDUSTRIES	1,214,536,978	1,318,605,886	26.46	8.57	104,068,908	6.00
1	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	325,661,318	495,849,718	71.87	52.26	170,188,400	18.47
2	INSTRUMENTS AND RELATED PRODUCTS	366,781,437	434,312,822	10.71	18.41	67,531,385	18.49
3	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	176,636,571	123,564,571	-1.95	-30.05	-53,072,000	1.94
4	PAPER AND ALLIED PRODUCTS	56,400,225	80,762,975	31.13	43.20	24,362,750	18.88
5	CHEMICALS AND ALLIED PRODUCTS	139,328,502	65,790,282	58.81	-52.78	-73,538,220	1.73
6	RUBBER AND MISC. PLASTICS PRODUCTS	74,949,752	40,017,493	51.25	-46.61	-34,932,259	12.46
7	SPECIAL CLASSIFICATION PROVISIONS, NSPF	20,692,395	18,473,829	550.99	-10.72	-2,218,566	10.17
8	PRINTING AND PUBLISHING	7,948,800	8,275,675	15.68	4.11	326,875	6.37
9	STONE, CLAY, AND GLASS PRODUCTS	6,257,451	8,229,800	-11.79	31.52	1,972,349	12.22
10	FABRICATED METAL PRODUCTS	11,529,357	8,000,131	-33.39	-30.61	-3,529,226	4.00
11	FOOD AND KINDRED PRODUCTS	2,122,561	7,683,852	32.71	262.01	5,561,291	1.21
12	USED OR SECOND-HAND MERCHANDISE	747,457	6,466,367	-94.17	765.12	5,718,910	7.67
13	MISC. MANUFACTURING INDUSTRIES	6,642,348	3,576,007	-26.63	-46.16	-3,066,341	1.84
14	TRANSPORTATION EQUIPMENT	3,251,601	2,506,714	15.34	-22.91	-744,887	0.11
15	PRIMARY METAL INDUSTRIES	1,763,222	2,412,282	-52.26	36.81	649,060	0.55
16	FISHING, HUNTING, AND TRAPPING	2,843,563	2,395,453	-26.72	-15.76	-448,110	11.35
17	TEXTILE MILL PRODUCTS	2,150,921	2,093,905	-30.88	-2.65	-57,016	3.80
18	LEATHER AND LEATHER PRODUCTS	1,011,086	1,715,756	-40.73	69.69	704,670	6.71
19	APPAREL AND OTHER TEXTILE PRODUCTS	1,523,382	1,610,547	11.87	5.72	87,165	3.77
20	SCRAP AND WASTE	608,505	1,357,793	25.85	123.14	749,288	6.12
RANK	TOP 10 GROWTH INDUSTRIES	1999	2000	%98-99	%99-00	\$Incr 99-00	%US
RANK 1	(TOP 10 GROWTH INDUSTRIES  ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER	<b>1999</b> 325,661,318	<b>2000</b> 495,849,718	<b>%98-99</b> 71.87	<b>%99-00</b> 52.26	<b>\$Incr 99-00</b> 170,188,400	<b>%US</b> 18.47
				71.87 10.71	52.26 18.41		
1	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER	325,661,318	495,849,718	71.87	52.26	170,188,400	18.47
1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS	325,661,318 366,781,437 56,400,225 747,457	495,849,718 434,312,822	71.87 10.71	52.26 18.41	170,188,400 67,531,385	18.47 18.49
1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS	325,661,318 366,781,437 56,400,225	495,849,718 434,312,822 80,762,975	71.87 10.71 31.13	52.26 18.41 43.20 765.12 262.01	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291	18.47 18.49 18.88 7.67 1.21
1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE	325,661,318 366,781,437 56,400,225 747,457	495,849,718 434,312,822 80,762,975 6,466,367	71.87 10.71 31.13 -94.17	52.26 18.41 43.20 765.12 262.01 31.52	170,188,400 67,531,385 24,362,750 5,718,910	18.47 18.49 18.88 7.67
1 2 3 4 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852	71.87 10.71 31.13 -94.17 32.71	52.26 18.41 43.20 765.12 262.01	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291	18.47 18.49 18.88 7.67 1.21
1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800	71.87 10.71 31.13 -94.17 32.71 -11.79	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349	18.47 18.49 18.88 7.67 1.21 12.22
1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288	18.47 18.49 18.88 7.67 1.21 12.22 6.12
1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71
1 2 3 4 5 6 7 8 9	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37
1 2 3 4 5 6 7 8 9 10 RANK	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37
1 2 3 4 5 6 7 8 9 10 RANK	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675 2000 65,790,282	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 <b>%99-00</b> -52.78	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875 \$Incr 99-00 -73,538,220	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **Wus
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675 2000 65,790,282 123,564,571	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 ***98-99 58.81 -1.95	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 <b>%99-00</b> -52.78 -30.05	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875 \$Incr 99-00 -73,538,220 -53,072,000	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **US 1.73 1.94
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675 2000 65,790,282 123,564,571 40,017,493	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 **98-99 58.81 -1.95 51.25	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 <b>%99-00</b> -52.78 -30.05 -46.61	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875 \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **US 1.73 1.94 12.46
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS FABRICATED METAL PRODUCTS	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752 11,529,357	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675 2000 65,790,282 123,564,571 40,017,493 8,000,131	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 **98-99 58.81 -1.95 51.25 -33.39	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 <b>%99-00</b> -52.78 -30.05 -46.61 -30.61	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875 \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259 -3,529,226	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **WUS 1.73 1.94 12.46 4.00
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 5	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS FABRICATED METAL PRODUCTS MISC. MANUFACTURING INDUSTRIES	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752 11,529,357 6,642,348	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675 2000 65,790,282 123,564,571 40,017,493 8,000,131 3,576,007	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 ***/98-99 58.81 -1.95 51.25 -33.39 -26.63	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 <b>%99-00</b> -52.78 -30.05 -46.61 -30.61 -46.16	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875 \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259 -3,529,226 -3,066,341	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **WUS 1.73 1.94 12.46 4.00 1.84
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS MISC. MANUFACTURING INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752 11,529,357 6,642,348 20,692,395	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675  2000 65,790,282 123,564,571 40,017,493 8,000,131 3,576,007 18,473,829	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 **98-99 58.81 -1.95 51.25 -33.39 -26.63 550.99	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 <b>%99-00</b> -52.78 -30.05 -46.61 -30.61 -46.16 -10.72	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875  \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259 -3,529,226 -3,066,341 -2,218,566	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **US 1.73 1.94 12.46 4.00 1.84 10.17
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS FABRICATED METAL PRODUCTS MISC. MANUFACTURING INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF FURNITURE AND FIXTURES	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752 11,529,357 6,642,348 20,692,395 2,825,985	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675  2000 65,790,282 123,564,571 40,017,493 8,000,131 3,576,007 18,473,829 1,053,785	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 **98-99 58.81 -1.95 51.25 -33.39 -26.63 550.99 136.39	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 %99-00 -52.78 -30.05 -46.61 -30.61 -46.16 -10.72 -62.71	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875  \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259 -3,529,226 -3,066,341 -2,218,566 -1,772,200	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **WUS 1.73 1.94 12.46 4.00 1.84 10.17 2.21
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7 8	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS FABRICATED METAL PRODUCTS MISC. MANUFACTURING INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF FURNITURE AND FIXTURES TRANSPORTATION EQUIPMENT	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752 11,529,357 6,642,348 20,692,395 2,825,985 3,251,601	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675  2000 65,790,282 123,564,571 40,017,493 8,000,131 3,576,007 18,473,829 1,053,785 2,506,714	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 **98-99 58.81 -1.95 51.25 -33.39 -26.63 550.99 136.39 15.34	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11  %99-00 -52.78 -30.05 -46.61 -30.61 -46.16 -10.72 -62.71 -22.91	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875  \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259 -3,529,226 -3,066,341 -2,218,566 -1,772,200 -744,887	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **WUS 1.73 1.94 12.46 4.00 1.84 10.17 2.21 0.11
1 2 3 4 5 6 7 8 9 10 <b>RANK</b> 1 2 3 4 5 6 7	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER INSTRUMENTS AND RELATED PRODUCTS PAPER AND ALLIED PRODUCTS USED OR SECOND-HAND MERCHANDISE FOOD AND KINDRED PRODUCTS STONE, CLAY, AND GLASS PRODUCTS SCRAP AND WASTE LEATHER AND LEATHER PRODUCTS PRIMARY METAL INDUSTRIES PRINTING AND PUBLISHING  TOP 10 LOSSES BY INDUSTRY CHEMICALS AND ALLIED PRODUCTS INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT RUBBER AND MISC. PLASTICS PRODUCTS FABRICATED METAL PRODUCTS MISC. MANUFACTURING INDUSTRIES SPECIAL CLASSIFICATION PROVISIONS, NSPF FURNITURE AND FIXTURES	325,661,318 366,781,437 56,400,225 747,457 2,122,561 6,257,451 608,505 1,011,086 1,763,222 7,948,800 1999 139,328,502 176,636,571 74,949,752 11,529,357 6,642,348 20,692,395 2,825,985	495,849,718 434,312,822 80,762,975 6,466,367 7,683,852 8,229,800 1,357,793 1,715,756 2,412,282 8,275,675  2000 65,790,282 123,564,571 40,017,493 8,000,131 3,576,007 18,473,829 1,053,785	71.87 10.71 31.13 -94.17 32.71 -11.79 25.85 -40.73 -52.26 15.68 **98-99 58.81 -1.95 51.25 -33.39 -26.63 550.99 136.39	52.26 18.41 43.20 765.12 262.01 31.52 123.14 69.69 36.81 4.11 %99-00 -52.78 -30.05 -46.61 -30.61 -46.16 -10.72 -62.71	170,188,400 67,531,385 24,362,750 5,718,910 5,561,291 1,972,349 749,288 704,670 649,060 326,875  \$Incr 99-00 -73,538,220 -53,072,000 -34,932,259 -3,529,226 -3,066,341 -2,218,566 -1,772,200	18.47 18.49 18.88 7.67 1.21 12.22 6.12 6.71 0.55 6.37 **WUS 1.73 1.94 12.46 4.00 1.84 10.17 2.21





# MA Export Industries to Netherlands by Leading Commodity Components Top 10 Industries Sorted by \$Value 2000

SIC HS 6	TOP 10 INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC, ELECTRIC EQUIP, EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	186,903,111	324,590,332	137,687,221	73.67	55.68
36 851730	TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	23,417,205	28,798,948	5,381,743	22.98	43.99
36 851750	TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	33,383,958	24,470,128	-8,913,830	-26.70	11.28
	INSTRUMENTS AND RELATED PRODUCTS					
38 901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	132,840,178	177,612,767	44,772,589	33.70	50.11
38 370241	PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	28,764,846	56,616,012	27,851,166	96.82	99.85
38 903089	INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	9,002,878	22,260,102	13,257,224	147.26	81.06
	INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT					
35 847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	70,620,401	25,499,141	-45,121,260	-63.89	1.04
35 847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	28,554,460	19,034,911	-9,519,549	-33.34	2.20
35 854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	6,576,243	12,239,736	5,663,493	86.12	100.00
	PAPER AND ALLIED PRODUCTS					
26 480252	PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2	18,039,532	27,789,532	9,750,000	54.05	89.33
26 480251	PAPER NESOI, NOV 10% FIBER BY MECH PR, UN40G/M2 UC	4,155,438	26,105,756	21,950,318	528.23	99.63
26 391990	PLATES, SHEETS, FILM ETC, PLASTICS, SELF-ADH NESOI	7,182,125	8,557,443	1,375,318	19.15	31.13
	CHEMICALS AND ALLIED PRODUCTS					
28 300439	HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	123,522,736	33,328,602	-90,194,134	-73.02	99.93
28 280300	CARBON, NESOI (INCLUDING CARBON BLACK)	3,362	11,680,497	11,677,135	347,327.04	48.24
28 382200	COMPOSITE DIAGNOSTIC/LAB REAGENTS, EXC PHARMACEUT	968,195	2,670,124	1,701,929	175.78	1.40
	RUBBER AND MISC. PLASTICS PRODUCTS					
30 392069	PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	48,081,318	21,362,696	-26,718,622	-55.57	82.04
30 392690*	ARTICLES OF PLASTICS, NESOI	13,862,510	10,312,839	-3,549,671	-25.61	17.82
30 392062	PLATES ETC, NONCELL ETC, POLYETHYLENE TEREPHTHLATE	1,795,571	2,762,889	967,318	53.87	23.87
	SPECIAL CLASSIFICATION PROVISIONS, NSPF					
99 980110	VALUE OF REPAIR/ALTER ARTICLES PREVIOUS IMPORTED	6,276,922	10,699,262	4,422,340	70.45	17.76
99 852491	OHTR RECORDED MEDIA, NESOI, FOR REPROD OTHR THAN S/I	4,696,835	2,333,566	-2,363,269	-50.32	7.11
99 852431	LASER DISCS,FOR REPRODUCING OTHER THAN SOUND/IMAGE	4,924,898	2,207,158	-2,717,740	-55.18	5.92
	PRINTING AND PUBLISHING					
27 392690*	ARTICLES OF PLASTICS, NESOI	13,862,510	10,312,839	-3,549,671	-25.61	17.82
27 490199	PRINTED BOOKS, BROCHURES, ETC., NESOI	6,844,440	6,595,677	-248,763	-3.63	10.80
27 491110	TRADE ADVERTISING MATERIAL, COMMERCIAL CATALOG ETC	502,673	632,657	129,984	25.86	13.98
	STONE, CLAY, AND GLASS PRODUCTS					
32 690320	OTH REFRAC CERAM GDS NES ALUMINA/SILICA OV 50 PCT	1,082,716	2,700,756	1,618,040	149.44	96.78
32 680530	ABRASIVES ON A BASE MATERIAL OTH THN FABRC O PAPER	1,639,184	1,449,428	-189,756	-11.58	42.55
32 680421	OTH MLLSTNS ETC OF AGGLM SYNTHTC OR NAT DIAMOND	1,278,967	1,364,897	85,930	6.72	62.86
	FABRICATED METAL PRODUCTS					
34 841950	HEAT EXCHANGE UNITS, INDUSTRIAL TYPE	1,295,986	1,750,031	454,045	35.03	32.27
34 760720	ALUMINUM FOIL NOT OVER 0.2MM THICK, BACKED	596,860	804,227	207,367	34.74	56.27
34 321210	STAMPING FOILS	406,214	695,473	289,259	71.21	49.98

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# MA Export Industries to Netherlands by Leading Commodity Components Top 5 Growth and Loss Industries 1999-2000

SIC HS 6	TOP 5 GROWTH INDUSTRIES	1999	2000	INCR 99-00	%INCR	% OF US
	ELECTRONIC,ELECTRIC EQUIP,EXC COMPUTER					
36 851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	186,903,111	324,590,332	137,687,221	73.67	55.68
36 854390	PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	3,016,418	12,916,209	9,899,791	328.20	37.66
36 850630	PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE	0	9,509,743	9,509,743	NA	99.47
	INSTRUMENTS AND RELATED PRODUCTS					
38 901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	132,840,178	177,612,767	44,772,589	33.70	50.11
38 370241	PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	28,764,846	56,616,012	27,851,166	96.82	99.85
38 903089	INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI	9,002,878	22,260,102	13,257,224	147.26	81.06
	PAPER AND ALLIED PRODUCTS					
26 480251	PAPER NESOI, NOV 10% FIBER BY MECH PR, UN40G/M2 UC	4,155,438	26,105,756	21,950,318	528.23	99.63
26 480252	PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2	18,039,532	27,789,532	9,750,000	54.05	89.33
26 481011	PAPER, WRIT ETC, NOV 10% MECH PR FIB NOV150G/M2 CT	371,147	3,099,808	2,728,661	735.20	61.58
	USED OR SECOND-HAND MERCHANDISE					
92 970110	PAINTINGS, DRAWING AND PASTELS BY HAND	582,955	5,483,638	4,900,683	840.66	10.59
92 970200	ORIGINAL ENGRAVINGS, PRINTS & LITHOGRAPHS	7,750	320,000	312,250	4,029.03	26.80
92 401220	USED PNEUMATIC TIRES OF RUBBER	0	18,000	18,000	NA	4.70
	FOOD AND KINDRED PRODUCTS					
20 220290	NONALCOHOLIC BEVERAGES, NESOI	198,118	5,347,191	5,149,073	2,598.99	93.29
20 200899	FRUIT & EDIBLE PLANT PARTS NESOI, PREP ETC. NESOI	0	1,163,934	1,163,934	NA	94.02
20 200920	GRAPEFRUIT JUICE, SWEETENED OR NOT	0	179,078	179,078	NA	0.89
SIC HS 6	TOP 5 INDUSTRY LOSSES	1999	2000	INCR 99-00	%INCR	% OF US
SIC HS 6	TOP 5 INDUSTRY LOSSES CHEMICALS AND ALLIED PRODUCTS	1999	2000	INCR 99-00	%INCR	% OF US
	CHEMICALS AND ALLIED PRODUCTS					
28 300439	CHEMICALS AND ALLIED PRODUCTS HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	123,522,736	33,328,602	-90,194,134	-73.02	99.93
28 300439 28 330710	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS	123,522,736 754,949		-90,194,134 -754,949	-73.02 -100.00	99.93 0.00
28 300439 28 330710	CHEMICALS AND ALLIED PRODUCTS HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	123,522,736	33,328,602 0	-90,194,134	-73.02	99.93
28 300439 28 330710 28 284210	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS DOUBLE OR COMPLEX SILICATES	123,522,736 754,949 662,501	33,328,602 0 0	-90,194,134 -754,949 -662,501	-73.02 -100.00	99.93 0.00
28 300439 28 330710 28 284210 35 847330	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT	123,522,736 754,949	33,328,602 0	-90,194,134 -754,949	-73.02 -100.00 -100.00	99.93 0.00 0.00
28 300439 28 330710 28 284210 35 847330 35 847180	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	123,522,736 754,949 662,501 70,620,401 28,554,460	33,328,602 0 0 25,499,141	-90,194,134 -754,949 -662,501	-73.02 -100.00 -100.00	99.93 0.00 0.00
28 300439 28 330710 28 284210 35 847330 35 847180	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT PARTS & ACCESSORIES FOR ADP MACHINES & UNITS  AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	123,522,736 754,949 662,501 70,620,401	33,328,602 0 0 25,499,141 19,034,911	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549	-73.02 -100.00 -100.00 -63.89 -33.34	99.93 0.00 0.00 1.04 2.20
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  PARTS & ACCESSORIES FOR ADP MACHINES & UNITS  AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.  ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI	123,522,736 754,949 662,501 70,620,401 28,554,460	33,328,602 0 0 25,499,141 19,034,911	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549	-73.02 -100.00 -100.00 -63.89 -33.34	99.93 0.00 0.00 1.04 2.20
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  PARTS & ACCESSORIES FOR ADP MACHINES & UNITS  AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.  ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI  RUBBER AND MISC. PLASTICS PRODUCTS	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318	33,328,602 0 0 25,499,141 19,034,911 129,183	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48	99.93 0.00 0.00 1.04 2.20 0.07
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392690	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI RUBBER AND MISC. PLASTICS PRODUCTS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI ARTICLES OF PLASTICS, NESOI	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48	99.93 0.00 0.00 1.04 2.20 0.07
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392690	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  PARTS & ACCESSORIES FOR ADP MACHINES & UNITS  AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.  ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI  RUBBER AND MISC. PLASTICS PRODUCTS  PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392690	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI RUBBER AND MISC. PLASTICS PRODUCTS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI ARTICLES OF PLASTICS, NESOI PLATES, SHEETS ETC. NESOI, CELLULAR PLASTIC NESOI FABRICATED METAL PRODUCTS	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392690 30 392119 34 821210	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI RUBBER AND MISC. PLASTICS PRODUCTS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI ARTICLES OF PLASTICS, NESOI PLATES, SHEETS ETC. NESOI, CELLULAR PLASTIC NESOI FABRICATED METAL PRODUCTS	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510 1,799,768	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839 0	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671 -1,799,768	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61 -100.00	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82 0.00
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392119 34 821210 34 730890	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM  PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  PARTS & ACCESSORIES FOR ADP MACHINES & UNITS  AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.  ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI  RUBBER AND MISC. PLASTICS PRODUCTS  PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI  ARTICLES OF PLASTICS, NESOI  PLATES, SHEETS ETC. NESOI, CELLULAR PLASTIC NESOI  FABRICATED METAL PRODUCTS  RAZORS	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510 1,799,768	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839 0 5,814	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671 -1,799,768	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61 -100.00	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82 0.00
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392119 34 821210 34 730890	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS  DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT  PARTS & ACCESSORIES FOR ADP MACHINES & UNITS  AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.  ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI  RUBBER AND MISC. PLASTICS PRODUCTS  PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI  ARTICLES OF PLASTICS, NESOI  PLATES, SHEETS ETC. NESOI, CELLULAR PLASTIC NESOI  FABRICATED METAL PRODUCTS  RAZORS  STRUCTURES AND PARTS NESOI OF IRON OR STEEL	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510 1,799,768 3,097,652 1,033,566	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839 0 5,814 43,521	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671 -1,799,768 -3,091,838 -990,045	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61 -100.00	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82 0.00 22.79 2.63
28 300439 28 330710 28 284210 35 847330 35 847160 30 392069 30 392690 30 392119 34 821210 34 730890 34 820730	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS DOUBLE OR COMPLEX SILICATES INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI RUBBER AND MISC. PLASTICS PRODUCTS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI ARTICLES OF PLASTICS, NESOI PLATES, SHEETS ETC. NESOI, CELLULAR PLASTIC NESOI FABRICATED METAL PRODUCTS RAZORS STRUCTURES AND PARTS NESOI OF IRON OR STEEL TOOLS FOR PRESSING, STAMPING OR PUNCHING, B M PTS	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510 1,799,768 3,097,652 1,033,566	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839 0 5,814 43,521	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671 -1,799,768 -3,091,838 -990,045	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61 -100.00	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82 0.00 22.79 2.63
28 300439 28 330710 28 284210 35 847330 35 847180 35 847160 30 392069 30 392690 30 392119 34 821210 34 730890 34 820730 39 392690	CHEMICALS AND ALLIED PRODUCTS  HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PRE-SHAVE, SHAVING OR AFTER-SHAVE PREPARATIONS DOUBLE OR COMPLEX SILICATES  INDUSTRIAL MACHINERY, COMPUTER EQUIPMENT PARTS & ACCESSORIES FOR ADP MACHINES & UNITS AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. ADP INPUT OR OUTPUT UNITS, STORAGE OR NOT, NESOI RUBBER AND MISC. PLASTICS PRODUCTS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI ARTICLES OF PLASTICS, NESOI PLATES, SHEETS ETC. NESOI, CELLULAR PLASTIC NESOI FABRICATED METAL PRODUCTS RAZORS STRUCTURES AND PARTS NESOI OF IRON OR STEEL TOOLS FOR PRESSING, STAMPING OR PUNCHING, B M PTS MISC. MANUFACTURING INDUSTRIES	123,522,736 754,949 662,501 70,620,401 28,554,460 8,472,318 48,081,318 13,862,510 1,799,768 3,097,652 1,033,566 455,093	33,328,602 0 0 25,499,141 19,034,911 129,183 21,362,696 10,312,839 0 5,814 43,521 12,013	-90,194,134 -754,949 -662,501 -45,121,260 -9,519,549 -8,343,135 -26,718,622 -3,549,671 -1,799,768 -3,091,838 -990,045 -443,080	-73.02 -100.00 -100.00 -63.89 -33.34 -98.48 -55.57 -25.61 -100.00 -99.81 -95.79 -97.36	99.93 0.00 0.00 1.04 2.20 0.07 82.04 17.82 0.00 22.79 2.63 0.46

<sup>\*</sup>This 6-digit HS commodity is comprised of 10-digit commodities that map to more than one 2-digit SIC.

# MA Exports to Netherlands by Commodity Leading Commodities by \$Value, Growth, Loss of Shipments

DANK							
	HS 6	TOP 20 COMMODITIES	1999	2000	INCR 99-00	%INCR	%US
		PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	186,903,111	324,590,332	137,687,221	73.67	55.68
		MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	132,840,178	177,612,767	44,772,589	33.70	50.11
		PHOT FILM NO SPROCKET HOLES,OV 610MM& OV 200MM CLR	28,764,846	56,616,012	27,851,166	96.82	99.85
4	300439	HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	123,522,736	33,328,602	-90,194,134	-73.02	99.93
5	851730	TELEPHONIC OR TELEGRAPHIC SWITCHING APPARATUS	23,417,205	28,798,948	5,381,743	22.98	43.99
6	480252	PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2	18,039,532	27,789,532	9,750,000	54.05	89.33
7	480251	PAPER NESOI, NOV 10% FIBER BY MECH PR, UN40G/M2 UC	4,155,438	26,105,756	21,950,318	528.23	99.63
8	847330	PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	70,620,401	25,499,141	-45,121,260	-63.89	1.04
9	851750	TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	33,383,958	24,470,128	-8,913,830	-26.70	11.28
10	903089	INST, MEASURING/CHECKING ELECTRICAL QUANTITIE, NESOI	9,002,878	22,260,102	13,257,224	147.26	81.06
11	900691	PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS	53,175,294	21,624,905	-31,550,389	-59.33	81.10
12	392069	PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	48,081,318	21,362,696	-26,718,622	-55.57	82.04
13	847180	AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	28,554,460	19,034,911	-9,519,549	-33.34	2.20
14	903090	PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	7,805,183	17,838,114	10,032,931	128.54	44.54
15	853649	RELAYS FOR VOLTAGE OVER 60V MORE BUT NT OVER 1000V	12,000,886	17,322,642	5,321,756	44.34	91.85
16	902720	CHROMATOGRAPHS AND ELECTROPHORESIS INSTRUMENTS	15,524,543	15,337,873	-186,670	-1.20	26.15
17	854390	PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	3,016,418	12,916,209	9,899,791	328.20	37.66
		CHEMICAL SENSITIZING EMULSIONS FOR PHOTO USES	18,365,479	12,489,909	-5,875,570	-31.99	86.48
19	854311	PARTICLE ACCELERATORS,ION IMPLANTERS FOR SMCNDCTRS	6,576,243	12,239,736	5,663,493		100.00
		CARBON, NESOI (INCLUDING CARBON BLACK)	3,362	11,680,497		347,327.04	48.24
			-,	,,	,, , , , , , , , , , , , , , , , , , , ,	- ,	
RANK	HS 6	TOP 10 COMMODITY GAINS	1999	2000	INCR 99-00	%INCR	%US
1	851790	PT ELECT APPR F LINE TELEPHONY OR TELEGRAPHY ETC.	186,903,111	324,590,332	137,687,221	73.67	55.68
2	901839	MED NEEDLES. NESOI, CATHERERS ETC AND PARTS ETC	132,840,178	177,612,767	44,772,589	33.70	50.11
3	370241	PHOT FILM NO SPROCKET HOLES, OV 610MM& OV 200MM CLR	28,764,846	56,616,012	27,851,166	96.82	00.05
4	480251	PAPER NESOI, NOV 10% FIBER BY MECH PR, UN40G/M2 UC					99.85
_			4,155,438	26,105,756	21,950,318	528.23	99.85
5	903089	INST, MEASURING/CHECKING ELECTRICAL QUANTITIE, NESOI	4,155,438 9,002,878	26,105,756 22,260,102	21,950,318 13,257,224		
		INST,MEASURING/CHECKING ELECTRICAL QUANTITIE,NESOI CARBON, NESOI (INCLUDING CARBON BLACK)			13,257,224	528.23	99.63
6	280300		9,002,878	22,260,102	13,257,224	528.23 147.26	99.63 81.06
6 7	280300 903090	CARBON, NESOI (INCLUDING CARBON BLACK)	9,002,878 3,362	22,260,102 11,680,497	13,257,224 11,677,135	528.23 147.26 347,327.04	99.63 81.06 48.24
6 7 8	280300 903090 854390	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT	9,002,878 3,362 7,805,183	22,260,102 11,680,497 17,838,114	13,257,224 11,677,135 10,032,931	528.23 147.26 347,327.04 128.54	99.63 81.06 48.24 44.54
6 7 8 9	280300 903090 854390 480252	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI	9,002,878 3,362 7,805,183 3,016,418	22,260,102 11,680,497 17,838,114 12,916,209	13,257,224 11,677,135 10,032,931 9,899,791	528.23 147.26 347,327.04 128.54 328.20	99.63 81.06 48.24 44.54 37.66
6 7 8 9	280300 903090 854390 480252	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2	9,002,878 3,362 7,805,183 3,016,418 18,039,532	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000	528.23 147.26 347,327.04 128.54 328.20 54.05	99.63 81.06 48.24 44.54 37.66 89.33
6 7 8 9 10	280300 903090 854390 480252	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2	9,002,878 3,362 7,805,183 3,016,418 18,039,532	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000	528.23 147.26 347,327.04 128.54 328.20 54.05	99.63 81.06 48.24 44.54 37.66 89.33 99.47
6 7 8 9 10	280300 903090 854390 480252 850630	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743	528.23 147.26 347,327.04 128.54 328.20 54.05 NA	99.63 81.06 48.24 44.54 37.66 89.33 99.47
6 7 8 9 10	280300 903090 854390 480252 850630 <b>HS 6</b> 300439	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00	528.23 147.26 347,327.04 128.54 328.20 54.05 NA	99.63 81.06 48.24 44.54 37.66 89.33 99.47
6 7 8 9 10	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0 1999 123,522,736	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 2000 33,328,602	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134	528.23 147.26 347,327.04 128.54 328.20 54.05 NA <b>%INCR</b> -73.02	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93
6 7 8 9 10	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330 900691	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PARTS & ACCESSORIES FOR ADP MACHINES & UNITS	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0  1999 123,522,736 70,620,401	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 2000 33,328,602 25,499,141	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134 -45,121,260	528.23 147.26 347,327.04 128.54 328.20 54.05 NA <b>%INCR</b> -73.02 -63.89	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93 1.04 81.10
6 7 8 9 10	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330 900691 392069	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PARTS & ACCESSORIES FOR ADP MACHINES & UNITS PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0  1999 123,522,736 70,620,401 53,175,294	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 2000 33,328,602 25,499,141 21,624,905	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134 -45,121,260 -31,550,389	528.23 147.26 347,327.04 128.54 328.20 54.05 NA <b>%INCR</b> -73.02 -63.89 -59.33	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93 1.04 81.10
6 7 8 9 10 1 2 3 4 5	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330 900691 392069 851719	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PARTS & ACCESSORIES FOR ADP MACHINES & UNITS PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0  1999 123,522,736 70,620,401 53,175,294 48,081,318	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 <b>2000</b> 33,328,602 25,499,141 21,624,905 21,362,696	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134 -45,121,260 -31,550,389 -26,718,622	528.23 147.26 347,327.04 128.54 328.20 54.05 NA <b>%INCR</b> -73.02 -63.89 -59.33 -55.57	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93 1.04 81.10 82.04
6 7 8 9 10 1 2 3 4 5	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330 900691 392069 851719 847180	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PARTS & ACCESSORIES FOR ADP MACHINES & UNITS PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI VIDEOPHONES & OTHER TELEPHONE SETS, N.E.S.O.I.	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0  1999 123,522,736 70,620,401 53,175,294 48,081,318 16,952,661	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 2000 33,328,602 25,499,141 21,624,905 21,362,696 6,209,757	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134 -45,121,260 -31,550,389 -26,718,622 -10,742,904	528.23 147.26 347,327.04 128.54 328.20 54.05 NA ***MNCR -73.02 -63.89 -59.33 -55.57 -63.37	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93 1.04 81.10 82.04 19.63
6 7 8 9 10 1 2 3 4 5 6 7	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330 900691 392069 851719 847180 851750	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PARTS & ACCESSORIES FOR ADP MACHINES & UNITS PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI VIDEOPHONES & OTHER TELEPHONE SETS, N.E.S.O.I. AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I.	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0  1999 123,522,736 70,620,401 53,175,294 48,081,318 16,952,661 28,554,460	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 2000 33,328,602 25,499,141 21,624,905 21,362,696 6,209,757 19,034,911	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134 -45,121,260 -31,550,389 -26,718,622 -10,742,904 -9,519,549	528.23 147.26 347,327.04 128.54 328.20 54.05 NA ***MNCR -73.02 -63.89 -59.33 -55.57 -63.37 -33.34	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93 1.04 81.10 82.04 19.63 2.20
6 7 8 9 10 1 2 3 4 5 6 7	280300 903090 854390 480252 850630 <b>HS 6</b> 300439 847330 900691 392069 851719 847180 851750 847160	CARBON, NESOI (INCLUDING CARBON BLACK) PTS OF INST F MEAS ELECT QUAT ALPHA BETA INZNG RDT PT ELEC MACH & APPR W INDIVIDUAL FUNCTIONS, NESOI PAPER NESOI, NOV 10% FIB MECH PR, 40G/M2NOV150G/M2 PRIMARY CELLS AND BATTERIES, MERCURIC OXIDE  TOP 10 COMMODITY LOSSES HORMONES ETC. (NO ANTIBIOTICS CONTAINED) DOSAGE FM PARTS & ACCESSORIES FOR ADP MACHINES & UNITS PARTS AND ACCESSORIES FOR STILL PHOTO CAMERAS PLATES ETC, NONCELL ETC, NO REIN, POLYESTERS NESOI VIDEOPHONES & OTHER TELEPHONE SETS, N.E.S.O.I. AUTOMATIC DATA PROCESSING UNITS, N.E.S.O.I. TELECOMM APPRTUS, CARRIER-CUR & DIGITAL SYSTM, NESOI	9,002,878 3,362 7,805,183 3,016,418 18,039,532 0  1999 123,522,736 70,620,401 53,175,294 48,081,318 16,952,661 28,554,460 33,383,958	22,260,102 11,680,497 17,838,114 12,916,209 27,789,532 9,509,743 2000 33,328,602 25,499,141 21,624,905 21,362,696 6,209,757 19,034,911 24,470,128	13,257,224 11,677,135 10,032,931 9,899,791 9,750,000 9,509,743 INCR 99-00 -90,194,134 -45,121,260 -31,550,389 -26,718,622 -10,742,904 -9,519,549 -8,913,830	528.23 147.26 347,327.04 128.54 328.20 54.05 NA **INCR -73.02 -63.89 -59.33 -55.57 -63.37 -33.34 -26.70	99.63 81.06 48.24 44.54 37.66 89.33 99.47 <b>%US</b> 99.93 1.04 81.10 82.04 19.63 2.20 11.28

# V. MASSACHUSETTS EXPORTS BY WORLD REGION Table 5

	1999	2000	%98-99	%99-00	%90-00	\$Incr 99-00	%US
WORLD TOTAL	18,190,114,782	22,061,446,586	5.81	21.28	90.40	3,871,331,804	2.83
NORTH AMERICA	4,055,679,980	4,592,681,560	0.02	13.24	91.20	537,001,580	1.59
CANADA	3,376,074,785	3,829,476,382	-4.57	13.43	72.71	453,401,597	2.17
MEXICO	679,304,868	763,000,508	31.60	12.32	313.18	83,695,640	0.68
LATIN AMERICA, CARIBBEAN, NOT MEXICO	617,140,170	666,410,180	-0.90	7.98	118.80	49,270,010	1.12
SOUTH AMERICA	476,734,130	530,219,565	3.80	11.22	151.91	53,485,435	1.43
CENTRAL AMERICA	62,169,183	59,493,941	-19.26	-4.30	128.91	-2,675,242	0.55
CARIBBEAN	78,236,857	76,696,674	-9.56	-1.97	12.63	-1,540,183	0.67
EUROPE	7,330,469,499	8,467,589,812	6.29	15.51	59.00	1,137,120,313	4.52
WESTERN EUROPE	7,197,611,063	8,308,478,203	6.30	15.43	58.22	1,110,867,140	4.58
EUROPEAN UNION	6,930,631,003	8,016,983,298	7.26	15.67	60.01	1,086,352,295	4.86
UNITED KINGDOM	1,921,447,260	2,052,721,106	6.24	6.83	73.56	131,273,846	4.94
GERMANY	1,089,427,404	1,442,274,766	-7.04	32.39	16.81	352,847,362	4.93
NETHERLANDS	1,214,536,978	1,318,605,886	26.46	8.57	72.21	104,068,908	6.00
EASTERN EUROPE	132,858,436	159,111,609	6.03	19.76	336.93	26,253,173	2.59
FORMER SOVIET REPUBLICS	41,297,532	46,486,806	-19.41	12.57	NA	5,189,274	1.29
ASIAN CONTINENT	5,675,459,445	7,782,589,275	10.02	37.13	151.39	2,107,129,830	3.55
JAPAN	1,858,795,221	2,281,393,868	-4.46	22.74	64.32	422,598,647	3.50
ASIA-NICS	2,240,855,658	3,388,949,827	22.29	51.23	212.72	1,148,094,169	4.00
ASEAN	1,262,821,469	1,771,400,966	18.56	40.27	268.21	508,579,497	3.77
ASIA NEAR EAST	448,857,620	414,404,153	33.75	-7.68	90.21	-34,453,467	2.18
ASIA-SOUTH	84,864,639	129,644,275	-11.87	52.77	35.52	44,779,636	2.81
AFRICAN CONTINENT	182,934,351	241,939,294	33.08	32.25	119.36	59,004,943	2.21
SUB-SAHARAN AFRICA	85,661,343	70,849,537	7.76	-17.29	16.47	-14,811,806	1.20
AUSTRALIA AND OCEANIA	328,431,337	310,236,465	2.36	-5.54	-11.00	-18,194,872	2.09

**Table 5** compares world regions as destinations for Massachusetts goods in terms of growth over the past decade, growth over past year, and by Massachusetts's share of total US exports to each region. Massachusetts' exports expanded 90.4% to the World from 1990-2000. Over the same period Massachusetts growth was slower to Canada at 73%. Growth was stronger in South America (119%) and in Central America (129%), but very slow in the Caribbean (13%). Growth was slower than average to Western Europe (58%), but very fast to Eastern Europe (337%). Massachusetts' shipments expanded very quickly to Asia (151%), especially to Asia-NICS (212%)and ASEAN countries (268%). Shipments grew rapidly as well to the African Continent (119%), but slowly to Sub-Saharan Africa (16%). Massachusetts' exports decreased 11% in Australia and Oceania from 1990-2000.

From 1999-2000, Bay State exports increased 21% to the World. Growth was strong, but not as strong in Canada (13%), Mexico (12%), South America (11%), and Western Europe (15%). The pace in Eastern Europe was nearly as strong at 20%. Massachusetts' expansion was strongest in Asia (37%), except Near East Asia (-7.7%). Shipments also declined in Central America (-4%), the Caribbean (-2%), and Sub-Saharan Africa (-5.5%). Massachusetts world regions of greatest specialization include Europe (MA ships 4.5% of total US exports), and the European Union (4.9%) in particular, and Asia (3.6%), especially Asia-NICS (4%) and ASEAN countries (3.8%).

## Massachusetts vs. World Exports by Region

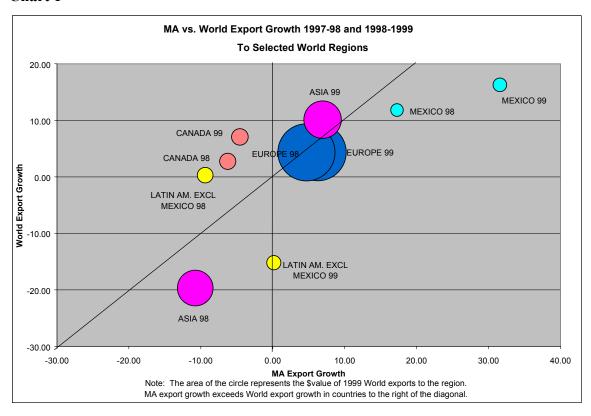
The following bubble charts compare Massachusetts and World export growth by world region of destination. The 1999 world export statistics in these charts are from the United Nations Statistical Database and are the most current available. Note that 1999 was a year of very slow growth for US exports at 1.8% and that US growth in 2000 was 12.6%. All the charts show World export growth on the Y-axis and Massachusetts' growth along the X-axis. Massachusetts' growth exceeded world growth in countries to the right of the diagonal line through the origin. The size of the bubbles represents the value of export shipments in millions.

Charts 1 and 2 both portray MA and World growth in 1998 and 1999. The difference between the two is that in Chart 1 the area of the circles represents the value of 1999 World shipments, while in Chart 2 the area represents the value of Massachusetts shipments. To Massachusetts and to the World the relative importance of the world regions, as represented by the size of the bubbles, is surprisingly similar. While Canada is a much more important market to Massachusetts than to the World, it is smaller than either Europe or Asia. For most other Northeast states, Canada appears larger than either Europe or Asia or both regions. Asia and Mexico are slightly more important destinations to Massachusetts than to the World. Latin America excluding Mexico is of nearly equal, but relatively small importance to MA and the World.

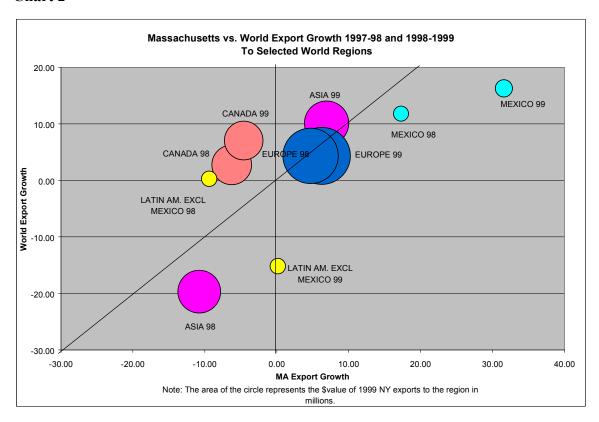
Massachusetts' growth was positive in Europe in both 1998 and 1999, in Mexico in both years, in Latin America excluding Mexico in 1999, and in Asia in 1999. MA outperformed World growth by small margins in Europe in both years, in Mexico in both years, in Latin America excluding Mexico in 1999, and in Asia in 1998 when MA declines were not as steep as World declines. Massachusetts' increases were not as large as World increases in Canada in both years, in Latin America excluding Mexico in 1998, and in Asia in 1999.

Charts 3, 4, and 5 show MA vs. World export growth from 1998-1999 to selected countries in Latin America, Europe, and Asia. The countries in each region represent the largest destinations for World exports for which UN data was available. The area of the bubbles reflects Massachusetts 1999 shipments in \$millions. In Latin America in 1999 World export growth was positive only in Mexico and Panama, while MA growth was positive in Mexico, Brazil, Argentina, and Peru. Massachusetts growth exceeded World growth in those four countries and in Chile where MA declines were not as large as World declines. World growth was higher than MA growth in Panama and World declines were smaller than MA declines in Costa Rica, Venezuela, and Guatemala. Massachusetts had its best performance in Europe where the state's growth was positive in Netherlands, Spain, France, United Kingdom, Belgium, Italy, and Austria. Massachusetts' growth exceeded World growth in all of those countries. World growth exceeded Massachusetts' growth in Germany, Switzerland, and Sweden. In Asia Massachusetts' exports increased in Malaysia, Korea, Singapore, Thailand, and China. The state outperformed World increases in all of those markets, but China. World growth outperformed Massachusetts' growth in Japan, Philippines, Hong Kong, and Indonesia.

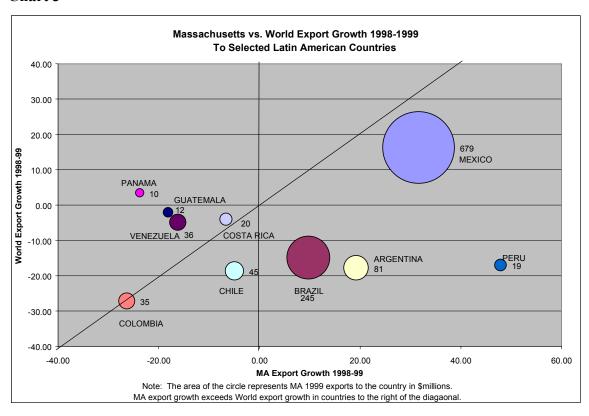
## Chart 1



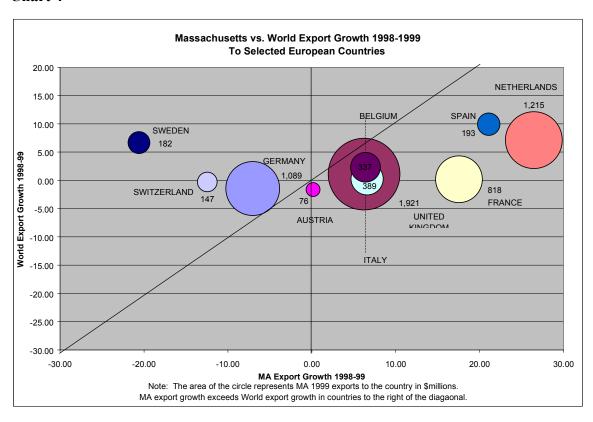
## Chart 2



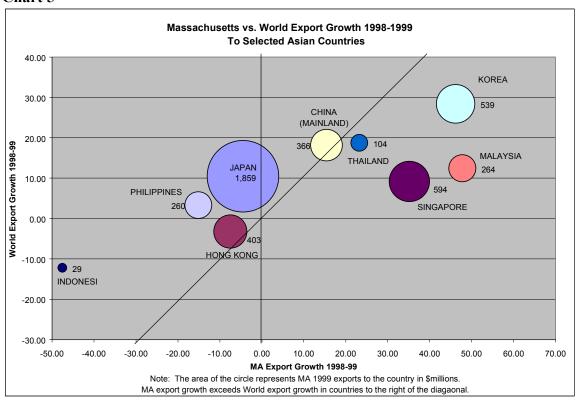
## Chart 3



## Chart 4



## Chart 5



## VI. APPENDIX

## The Standard Industrial Classification and Harmonized System Data Series

The state export by Standard Industrial Classification (SIC) data series began in 1987. It was the first timely, moderately detailed data ever made available about state exports. The much more detailed state exports by Harmonized System (HS) data was made available for the first time in 1999. HS commodity classification was adopted in 1988 by all the largest exporting and importing countries and has since been adopted in most countries. HS is the basis of the tariff schedule in most countries. SIC differs from HS in that the former is industry-based, while the latter is commodity-based. There are 34 major 2-digit SIC industry groups and 4,500 6-digit HS commodity classifications.

From 1987-2000 MISER improved unadjusted SIC data from Census, which contains records with missing states and industries, by filling in the missing information through an imputation algorithm developed at MISER and approved by Census. MISER does not impute in the state by HS data because with electronic filing of shippers export declarations (SEDs), the numbers of records with missing states to impute is expected to decline rapidly in the next few years. The value MISER imputes has already fallen from 25% of the total value of US exports in 1987 to under 10% in 2000.

There are two different data series for state by SIC data. The "Origin of Movement" (OM) series, which began in 1987, is the one used in this report. The origin of movement, as reported by the exporter on the SED, is the state where the product began its journey to the point of export, the state of consolidation of shipments, the state of greatest value in the case of consolidation of shipments, or the state of a foreign trade zone. That state is not necessarily the state of manufacture or where the product was grown or mined. It may in some cases be the state of a broker or wholesaler or the state of consolidation of shipments. This issue results in some inflation of exports for the major port states and understatement of exports for other states. The problem is most acute for agricultural shipments and less so for manufactured exports.

Nevertheless, for manufactured exports the OM series is the closest to state of production origin.

The second state export data series is the Exporter Location (EL) series, introduced by the Census Bureau in 1993. The state of the exporter location is based on the zip code of the exporter filing the SED and reflects the state of sales activity. In many cases the exporter is the manufacturing firm and the exporter location is also the production location. However, exporters also include intermediaries such as wholesalers and brokers or the exporter may be the marketing division of a manufacturing firm. Areas with high export sales activity are likely to support additional economic activity such as warehousing and distribution, financing, shipping, etc. However, in other cases exporters may simply reflect headquarter locations of manufacturers. In addition to providing a second measure of state export activity, the EL series is the source of the US International Trade Administration's Metropolitan Area Export Database. MISER fills in missing states and industries in the state-level Exporter Location series with the same imputation algorithm it uses for Origin of Movement data, although there are fewer missing states in the Exporter Location series.

The adjusted MISER Origin of Movement and Exporter Location data are generally acknowledged as the best available on state exports. For many years MISER's data with imputations was distributed by the U.S. Department of Commerce in the National Trade Data

Bank. It is important to understand the value and limitations of each series. Most state export promotion and economic development offices use one or both data series. The state exports by HS series is based on state of origin of movement. There is no state export data by HS available for exporter location.

### SIC to HS concordance

The Harmonized System is a hierarchical classification scheme that begins with 99 broad 2-digit commodity groupings called chapters. Each 2-digit chapter is comprised of more detailed 4-digit commodity groupings, which are in turn comprised of even more detailed 6-digit groups, which are finally made up of the most detailed, individual 10-digit commodities. There are 8,000 10-digit HS commodities. At the 10-digit level, each HS code maps to a single 4-digit SIC code. Census uses this concordance to produce state exports by SIC from SED data that contains only HS codes.

The state exports by HS data is reported by Census at a 6-digit level instead of 10-digits to prevent disclosure of data that might identify individual companies. This presents a problem when trying to identify the 6-digit HS commodities which make up a state's 2-digit SIC industries. However, there are a limited number of instances where the 10-digit codes making up a 6-digit code map to more than one 2-digit SIC. In the tables in this report that show the commodity composition of the industries exported, all such instances are identified with an asterisk and footnoted.

## Selection of Countries for Bubble Charts; Countries Used in Regional Bubble Chart

The 1999 World export data presented in this report comes from the United Nations Statistical Database and is the most current available. Unfortunately, many countries do not report their trade statistics to the UN. The regional bubble charts were based on data for all the reporting countries listed below.

## China, Japan, and Southeast Asia

China

China – Macao Hong Kong Indonesia Japan

Malaysia Philippines Singapore South Korea Thailand

## Europe

Albania Iceland Slovakia
Austria Ireland Slovenia
Belgium – Luxembourg Italy Spain
Croatia Latvia Sweden

Czech Republic Lithuania Switzerland - Liechtenstein

Denmark Malta United Kingdom Estonia Netherlands Yugoslavia

Finland Norway
France – Monaco Poland
Germany Portugal
Greece Romania

Hungary Russian Federation

### Latin America

Argentina Mexico
Bolivia Nicaragua
Brazil Panama
Chile Paraguay
Colombia Peru
Costa Rica Uruguay
Ecuador Venezuela

El Salvador Guatemala Honduras